

Chemical Week INDEX

Volume 89

July-December, 1961

McGRAW-HILL PUBLISHING CO., INC.
330 West 42nd Street - New York 36, New York

Chemical Waste
Waste

A

Accelerators			Agricultural Chemicals			American Institute of Chemical Engineers		
Radiation-producing particle accelerators go job hunting (table)	Oct. 21	89	Alco moves into farm chemicals field via multiple merger	Oct. 28	23	54th annual meeting highlights	Dec. 9-17	72
Stanford accelerator approved by Congress	Sept. 30	32	Antibiotics as plant disease fighters	Dec. 16	104	Launches clearing house for engineering research	July 29	37
Accidents			Flower dryer	Sept. 9	86	Texas division meeting highlights maintenance aids	Nov. 4	170
CPI's accident rate rose in '60 (charts & table)	Aug. 5	55	Air Fresheners - Low-cost air fresheners	Dec. 9	88	American Institute of Physics - National headquarters being built in New York		
Houston Ship Channel collision and fire	Nov. 18	16	Air Pollution			American Nuclear Society - Nuclear equipment discussed at Chicago meeting	Nov. 25	58
Acetone			Auto exhaust device makers battle over longevity requirements	Sept. 2	26	American Petroleum Institute		
Hungarian-Rumanian acetone process	July 29	42	- letters	Sept. 30-9		Grooms Frank Icard for presidency	Aug. 26	30
Prices	July 1	52	California approves criteria for exhaust-control devices and first crankcase device	Sept. 23	59	Motor hazard hassle	Aug. 5	56
Acetylene - Acetylene from hydrocarbons using Wulff process	Dec. 9	72	Catalytic oxidation process kills odors by chemical reaction	Sept. 9	125	American Rocket Society - 16th annual meeting - new concepts in propellant production and use proposed	Oct. 21	23
Acrolein - Tries out for new role - as a silicicide	July 15	76	Cyanamid fights dust problem with new electrostatic precipitator	Nov. 11	52	American Society for Quality Control - Quality control testing costs discussed at New Brunswick meeting	Oct. 7	97
Acrylates - Monomer for floor polish formulations	Sept. 16	59	Dayton, O. to review foundries' air pollution control policies	Sept. 23	34	American Society for Testing Materials - "1961 Book of ASTM Methods for Chemical Analysis of Metals" published	Nov. 25	70
Acrylics			Electrostatic precipitators eliminate red smoke leaving open-hearth stacks	Nov. 18	182	American Turpentine Farmers' Assn. - Resists efforts to label turpentine as poison	July 8	28
Acrylic "paper" developed	Nov. 25	75	Kennedy Administration will upgrade air pollution problems	July 22	36	Ammonia		
Fluorescent brightener for acrylics called Blancophor AM-80	Nov. 4	51	Monitoring systems for atmospheric pollutants installed by six U.S. cities	Oct. 14	98	Agricultural and industrial demand for ammonia has increased in the West	Aug. 12	53
Acrylonitrile			Muffler-type smog-control devices to appear on '64 autos	Nov. 4	44	Co-ops move on fertilizer markets (table)	Nov. 4	145
ICI switches over to propylene-ammonia route	Nov. 11	18	- letter	Nov. 25	9	Market outlook: imbalance until '65?	Sept. 23	26
Japanese producers are trying to curtail increasing imports	Nov. 25	121	Philadelphia will install air-pollution control devices on city-owned vehicles	Nov. 11	52	Nitrogen fertilizers - report (charts & tables)	Aug. 26	33
Overcapacity forces producers to cut prices	July 15	103	Prevention pays dividends in pollution control	Aug. 5	52	Prices	Aug. 12	53
U.S.-made acrylonitrile stirs up ruckus in Japan	Nov. 11	96	Supersensitive air-pollution detection device	July 15	76	Producers disagree about supply-demand situation	Oct. 28	81
Adhesives			Airplanes			Survey covers housewives use of ammonia	Nov. 25	84
Air Force reports on space-age adhesives research (table)	Sept. 30	83	Company planes for salesmen - CPI interest picks up (table)	Oct. 14	111	Ammonium chloride - Japanese producers may invade West Coast markets	Aug. 5	125
Epoxy adhesive called Minit-Cure	July 15	90	Rain repellent for aircraft windshields	July 22	84	Ammonium metavanadate - Alkali-free, water soluble ammonium metavanadate	Aug. 5	96
Heat resistant adhesive	Sept. 9	86	Alcohol			Ammonium molybdates	Dec. 6	64
Hot-melt adhesive line	July 15	91	Dodecyl alcohol reduces stress cracking of metals, says NBS	Sept. 23	59	Ammonium nitrate		
Hot-melt adhesive makers foresee fourfold sales rise in '60s	Dec. 16	31	Plough enters \$25-million/year rubbing alcohol field	July 1	59	Blended agent marketed by Spencer	Aug. 19	89
Household glue - new products, new packages boost sales - letter	Sept. 2	12	USDA-Publisher surplus corn deal goes through	July 1	13	Demand for ammonium nitrate/fuel oil blasting mixtures is up	Nov. 25-106, 117	
Nylon adhesive	Dec. 9	85	Aleuritic acid - Available in commercial quantities	July 29	29	Explosives' marketing pattern shifting (chart) - letters	Oct. 7	111
Special adhesive makes a cheaper gas filter	July 15	98	Algicides			NCA and Bureau of Mines launch ammonium nitrate study	Sept. 2	83
Spray-on auto interior finish may open new market for specialty adhesives	Oct. 14	37	Cooling water biocide for heat transfer equipment	Nov. 25	96	Nitrogen fertilizers - report (charts & tables)	Aug. 26	33
Thermosetting adhesive for polyolefins called Ralised 5000	Nov. 4	52	Emkasans, new series of algicidal products	Sept. 16	54	Phillips Chemical opens new nitrate fertilizer storage facilities	Dec. 23	34
Two-component epoxy industrial adhesive system	Sept. 23	60	Alkali metal borohydrides - Metal Hydrides-Bayer exchange of information agreement	Sept. 23	60	Ammonium sulfate - Nitrogen fertilizers - report (charts & tables)	Aug. 26	33
Adipic acid			Alkylation - Phillips will build plant at Woods Cross, Utah	July 8	84	Ammonium - Army steps up production of conventional ammunition	Sept. 9	43
Oxidation process liberates adipic from captive-use bonds (table)	Aug. 5	83	Alkylbenzene sulfonate (ABS) - Syndet component poses problem for waste water cleanup	Aug. 19	41	Anchors - Explosive-driven anchor for oil tankers	Nov. 25	48
Price cut clears way to 80-million-lbs./year non-mylon sales (chart)	Sept. 23	95	Alkyls - Aluminum alkyls expansion and price cuts by Texas Alkyls	Nov. 18	186	Aniline - Prices	Sept. 9	99
Prices	Sept. 9	99	Alloys			Animal Repellents - Bird repellent called "4-The-Birds"	Oct. 21	56
Rohm & Haas enters field, will use all-air-oxidation process	July 1-13, Nov. 25-18		Nonmagnetic alloys called Nitinol	Oct. 28	67	Anodes - Platinized titanium anodes - four way agreement may clear up patent confusion	Sept. 9	90
Advertising			Particles make the difference in heat-strength of new alloys	Sept. 2	39	Antibiotics		
Defense contractors get new rules covering reimbursable advertising costs	Nov. 25	48	Alum - Borden Chemical-North American Coal production-marketing venture	Oct. 7	106	Actinospectacin, new drug stops growth of bacteria	Nov. 11	106
Defense contractors will pay for advertising out of profits	Aug. 19	29	Alumina			Antitrust case defendants enter plea of "not guilty"	Sept. 16	28
Dow offers "Realities" magazine as part of direct-mail campaign	Sept. 30	107	Guinea may nationalize Fria operation	Dec. 23	19	Antitrust lightning again hits antibiotics	Aug. 26	17
Overseas marketing poses new promotional problems to CPI	July 8	33	Prices	Aug. 26	65	FTC rules for dismissal of '58 price fixing complaint	Nov. 18	9
Trade show promotion plans reevaluated by CPI management	Sept. 2	79	Aluminum			Plant disease fighters	Dec. 16	104
Aerosols			Aluminum foil consumption by packaging industry to rise 5-8%	Dec. 23	20	Semicarbazone tested for use as an antibiotic for control of comandra rust in lodgepole and ponderosa pines	Aug. 5	126
Antiperspirants successfully packaged with new valve and overcap	Sept. 2	49	Anaconda plans primary aluminum boost	Dec. 2	22	Thermophilic streptomycetes yields crystalline form antibiotic 19A	Nov. 11	79
CSMA "pushbutton beauty" contest entry blanks available	Sept. 9	84	Argentine aluminum project	Oct. 21	43	Antiblocking agents - Fluorine-based material called Vydax AR	Dec. 23	25
De-Icer for windshields, nonsmearing	Dec. 16	90	Auto makers boost aluminum consumption (tables)	Oct. 14	115	Antifreeze		
Drugmakers spell out their problems with aerosol packaging	July 22	84	Canadian aluminum expansion	Aug. 19	17	Canada - antifreeze marketing hassle	July 22	82
Europe's aerosolers savor a boom (charts & table)	Nov. 11	89	Cell operation in aluminum production improved 15%	Dec. 16	89	Dowgrad Full-Fill Coolant to be used in line of '62 model cars	Sept. 2	22
Fluid sight savers	Dec. 9	85	Consolidated Aluminum may build plant in Tennessee	Oct. 14	26	Fair trading dropped by Carbide	Sept. 16	70
Freon C-318 approved for use as a propellant in aerosol food containers	Oct. 14	124	Expansions coming	Aug. 26	22	Outlook: slim gain ahead for antifreeze sales (chart & table)	Nov. 18	189
Hydrocarbon blends move into aerosol propellant marketing picture	Oct. 7	41	Expansion and financing plans for '61	July 22	27	Antioxidants - Thiodipropionic acid available	Aug. 5	96
Rochester Aerosol is new competitor in pressure packaging field	Nov. 11	91	Foil coating called Glassine	Sept. 16	54	Antistatic agents - Statul, new antistatic fluid	July 8	99
- letter	Nov. 25	9	Four-point tariff program proposed	Nov. 25	47	Anti-stick agent called Rulon Liquid	July 15	91
Spray cleaner, Instant Jato	Dec. 30	37	French exports to the U.S.	Dec. 2	67	Anti-Trust Act		
Valves	Dec. 16	89	Harvey Aluminum gets two-week extension from BPA on Pacific Northwest plant	Oct. 14	26	Antibiotics antitrust case defendants plead "not guilty"	Sept. 16	28
Windshield de-icers vie for 20-million unit sales	Nov. 25	81	Harvey Aluminum undecided on site for plant in Pacific Northwest	Sept. 30	17	Antibiotics makers get break as FTC rules for dismissal of '58 complaint	Nov. 18	9
Africa			Import-export problems barred by industry spokesmen	Aug. 26	65	Antibiotics makers indicted again	Dec. 16	22
Fertilizer picture (map and table)	Dec. 23	52	Oregon moves closer to new primary aluminum reduction operation	July 8	18	Bills to strengthen antitrust laws gain momentum in Congress	Sept. 9	43
Ghana - pharmaceuticals plant to be supplied by Hungary	Oct. 14	33	Production boom buoys '62 chemical sales outlook (chart)	Sept. 30	21	California drug group fined for price fixing	July 8	34
Ghana signs long-term trade agreement with Russia	Nov. 18	18	Rice, Walter, predicts aluminum boom and possible shortage	Sept. 23	89	Carbide must dispose of Visking operation	Nov. 4	37
Guinea - Aluminum Ltd. suspends work on bauxite plant	Sept. 9	41	Senate Antitrust and Monopoly Subcommittee investigates aluminum industry	Oct. 14	52	Carbide-Visking case - deadline for appeal	Dec. 23	13
Guinea may nationalize Fria alumina operation	Dec. 23	19	U.S. aluminum industry proposes worldwide, voluntary import curbs	Dec. 30	19	Carbide-Visking PE film decision is not likely to stem vertical integration trend (table)	Nov. 4	41
South Africa - citric acid plant planned	July 8	25	U.S. proposal aimed at controlling international aluminum trade protested	Dec. 2	67	Carbon dioxide price fixing suit	Dec. 23	13
South African firm to produce acetone derivatives	Sept. 16	30	Vulcanizing aluminum sheet or foil onto rubber - process debuts	Sept. 16	64	Companion civil suit	Dec. 30	10
Sudan, African "island" of free enterprise, lures investors (map)	Nov. 25	99	World supply up	Oct. 21	106	Du Pont-GM case - divestiture plan sought	Oct. 14-31	51
Agency for International Development			American Arbitration Assn. - CPI swings to arbitration to settle disputes	July 8	26	Du Pont-GM case - new legal maneuvers could start avalanche of private suits	Nov. 4	43
International Cooperation Administration - fertilizer producers protest change in policy for buying fertilizer for underdeveloped countries	Nov. 18	37	American Chemical Society			Du Pont-GM case - tax easing bills		
Reverses purchasing policy on fertilizers for U.S. aid-to-Korea program	Nov. 25	25	Burr, Francis, delivers paper on wash-and-wear finishes at national meeting	Sept. 23	47			
Agitators - Removable blade agitator	July 8	53	Elastomer developments highlight Chicago meeting	Sept. 16	63			
			140th national meeting highlights	Sept. 9	38			

July 29-19, Aug. 5-61, Aug. 26-30, Sept. 2-32, Sept. 16-48, Sept. 23-44, FTC confidential company information case awaits decision of Supreme Court	Oct. 7 45
FTC confidential company information case - Supreme Court rules in favor of anti-trust investigators	Oct. 14 52
Fertilizer industry probe	Dec. 23 18
Fertilizer industry target of grand jury probe (table)	Dec. 23 13
Hooker rulings	Dec. 30 9
Humble Oil-Ölin Gas Transmission merger due for FCC hearings	Sept. 9 33
Maine settles asphalt price-fixing suit	Dec. 23 13
Minnesota Mining & Wg. charged with price-fixing	Aug. 19 68
New Jersey Wood Furnishing files suit against 3W	Dec. 23 13
Penn-Ölin case: defense witnesses take stand	Dec. 9 29
Penn-Ölin defends itself on antitrust charges (table)	Nov. 25 24
Penn-Ölin case gets under way	Nov. 18 13
Procter & Gamble-Clorox merger does not violate act	Nov. 11 18
Procter & Gamble-Clorox merger - P&G asks court to set aside FTC order for new antitrust hearing	July 8 44
Rock salt case - government files civil suits against four firms	Dec. 2 22
Salt case - Chicago bids are lower as a result of price fixing indictments	July 22 36
Salt case - Dayton, O. cancels rock salt purchase agreements	Aug. 19 70
Salt companies indicted on price fixing charges	Sept. 16 76
Three actions advance: Ölin Mathieson and Chemetron change plan; Penn-Ölin trial closes; Du Pont-Ölin battle	July 8 43
Arab League Economic Council - Kuwait dispute puts strain on just-forming Mid-East economic bloc	Dec. 2 29
Arab Oil Congress - Attiyeh, Mounir, proposes cooperative Arab petrochemical venture	July 8 24
	Oct. 28 24
Argentina	
Nylon expansion	Sept. 16 17
Offers new concessions to foreign investors	July 8 22
Petrochemical complex plans	Nov. 25 27
Regional development plan includes hydro, aluminum and steel projects	Oct. 21 43
Argon - Cryogenic gases - report (charts & table)	Oct. 14 55
Aromatics	
Cities Service completes Lake Charles, La. plant	Oct. 14 55
German fragrance maker spurs U.S. selling drive	Aug. 19 90
Asia - Fertilizer picture (map and table)	Dec. 2 47
Asphalt - Maine settles asphalt price-fixing suit	Dec. 23 54
Assn. of German Chemical Industry - Chemical investments prediction	Aug. 19 68
Atomair - Activation analysis laboratory displayed	Nov. 11 26
	Nov. 25 58
Atomic Energy Commission	
Creates new Division of Industrial Participation - head is Ernest Tremmel	Dec. 2 32
Drops plans to seek new financial incentives for private nuclear power reactors	Nov. 4 60
Office of Isotope Development - underwater seismicographic station project	Aug. 5 99
Plutonium-beryllium neutron sources - services discontinued	Nov. 11 34
Seaborg, Glenn, outlines plans for private nuclear-fuels business	Nov. 18 17
Atomic Power	
Atomic plant will supply electric power to San Francisco area	July 8 22
CPI has potentially enormous stake in new atomic blast test series	Sept. 16 25
Coast Guard navigational buoy lit by atomic power	Dec. 30 14
Congress will review federal subsidies for private nuclear industry	Oct. 21 44
Fissionable materials - Issue of private ownership	Oct. 14 51
Finishing nuclear power plant	Aug. 12 46
French-Belgian nuclear power plant contract	Oct. 21 68
Glass fixation of waste nuclear fission products - new British process	July 8 58
High-temperature nuclear heat reactor need pinpointed	Dec. 16 90
Kentucky assumes regulatory controls over industrial nuclear materials and applications	Aug. 26 29
New York state pushes ahead with "atomic industrial park" plans	July 8 22
Nuclear equipment, reactor fuel materials discussed at Atomair	Nov. 25 58
Nuclear heat to dry phosphate rock - feasibility study	July 1 43
Nuclear power growth is keyed to fuel research (chart & table)	Nov. 18 167
Nuclear process steam may get a tryout in paper industry	Aug. 12 46
Nuclear testing resumed, Project Plowshare will get go-ahead signal	Sept. 23 17
Project Plowshare atomic program undamaged by Project Gnome's flaws	Dec. 23 16
Radiation fallout threat spurs CPI emergency planning	Oct. 14 8 5
Time to lift the nuclear test ban - Viewpoint	July 22 7
Underground nuclear explosions as a source of energy for chemical synthesis will be feasible only at depths below 2,000 ft.	Dec. 23 40

Australia	
Investments sought	Dec. 2 30
Petrochemical complex at Altona - first two units open	Dec. 2 42
U.S. chemical expansions may be blocked by local firm	July 1 14
Austria	
Carbide output boost	Oct. 21 32
Perchloroethylene-trichloroethylene, methanol plants onstream	Sept. 30 93
Polypyrrolene project at Schwabach - July 22-30, Aug. 5-126	Sept. 2 28
Rayon staple fiber producers switch to synthetics	
Automation	
CPI retrains workers to meet demands of automated plants	Sept. 30 43
Robot painter	Aug. 5 100
Russians operate soda ash plant by remote computer control	Nov. 18 175
Soviet automated process to plate metal with nickel	Dec. 16 97
Time for retraining - Viewpoint	Oct. 28 5
Automobiles	
ABS resins bid for big outlet in auto applications (chart & table)	Aug. 5 111
Aerosol de-icers head for 20-million unit sales	Nov. 25 81
Aluminized coating keeps car seats cool while car is standing in the sun	Dec. 23 40
CPI's prospects brightens as auto makers predict 22% output hike (table)	Oct. 14 115
Resin makers give special attention to auto market	Nov. 4 126
Spray-on auto interior finish may open new market for specialty adhesives	Oct. 14 37
Awards - Suggestion system awards - NASS survey (table)	Aug. 19 67

B

Bactericides	
Germicide-bactericide series for use in plastics	Sept. 30 62
New bacteria fighters debut	Nov. 11 106
Bacteriostats - soap bacteriostat	Aug. 19 78
Bagasse	
Hardwood boards from bagasse - new process	Sept. 16 109
Pulping process demonstration	Aug. 5 88
Barges	
ICC backs bill to allow inland water carriers to mix exempt and nonexempt commodities in the same tow	Sept. 16 68
Kennedy will request user charges on barge lines	Aug. 5 62
Beets - Sugar beet processing system	July 1 38
Behind the news July 1-5, July 15-5	July 22 5
Belgium	
Aluminium Ltd. purchases controlling interest in Aluminium Raeren S.A.	Dec. 16 25
Three large chemical producers plan merger	Nov. 4 160
Beltting - Flat wire beltting	July 22 54
Benzene	
Canadian capacity more than doubled	Nov. 11 95
Fully deuterated benzene available from Ciba	Sept. 23 90
Phenol via direct oxidation of benzene may now be feasible	July 1 44
Prices	July 29 55
Texas and Canadian expansions	Aug. 5 126
Benzolic acid - Prices	Oct. 14 123
Benzoyl formic acid - Available in developmental quantities	Sept. 23 55
Beryllium	
Beryllium forms	Dec. 9 64
Brazilian and Canadian deposits - progress reports	Aug. 19 26
A caution on beryllium - Viewpoint	Oct. 7 5
- letter	Nov. 4 8
Flotation process recovers beryllium minerals from ores	Dec. 9 99
Footle Mineral installs recovery equipment at North Carolina plant	Sept. 30 80
Intermetallic compounds called beryllides	Nov. 4 101
Technical analysis of ores in Utah and Nevada due soon	Sept. 2 31
Thermic-flotation extraction process perfected	Sept. 30 74
USDA offers to buy beryllium for the stockpile	Sept. 23 43
United Technical Industries' beryllium branch begins operations	Sept. 29 17
Utah ores surrender to two new processes	July 1 35
Zone refining, oversupply, prices make up current industry news	Sept. 2 31
- letter	Sept. 23 7
Binders	
Ceramic binder called Pycerox	Sept. 9 86
Phenolic core binder	Oct. 21 56
Size binder for fiber blends	July 15 91
Synthetic latex binders for paper win new markets	Sept. 9 79
Blanchers	
Consumption by housewives - survey	Nov. 25 84
Continuous bleaching process for synthetic and natural fibers called Textone	Oct. 14 98
Dry bleach called Stardust	Oct. 21 56
High-density bleaching of groundwood pulp with hydrogen peroxide - new process (table)	Sept. 23 81
Paper brightener called Hillamine Arctic Paper White	Aug. 19 36

Sodium borohydride bleaching of pulp and paper - development agreement signed by Metal Hydrides and MODO	Sept. 16 64
Sodium borohydride pulp and paper bleaching	Dec. 2 57
Blenders - Continuous solids blending	Dec. 9 114
Brake Fluids - Canada - brake fluids marketing hassle	July 22 82
Brakes - Water brake	Nov. 25 94
Brass - Expansions coming	Aug. 26 22
Brazil	
Bill curbs activities of foreign capital and limits remission of profits	Dec. 9 27
Electrolytic caustic-chlorine plant will be largest in South America	Aug. 19 18
Financial aid now massive	Dec. 2 32
Paper and pulp industry boom under way	July 15 25
Quadros' resignation carries country to brink of civil war	Sept. 2 28
U.S. businessmen keep fingers crossed as new regime takes office	Sept. 16 29
Bricks - Plastic coating for bricks called Polydile	Sept. 30 62
British Guiana - Election raises fears of Communism in South America	Sept. 2 28
Brooklyn Polytechnic Institute - Gregor, Harry, points up new uses for ion exchangers	Oct. 28 35
Burners - Electrochemical burner provides 3000-6000F heat	July 1 38
Butanol - Dow Badische starts up production at Freeport, Tex. plant	Aug. 12 51
Buyers' Guide issue	Sept. 30 Pt. 2
C	
Cadmium	
Horizontal retort furnace distills cadmium and zinc	July 8 72
Liquid one-dip finish for cadmium	Sept. 16 54
Cadmium sulfide - Key to tiny three-element transistor	July 15 65
Calcium oxalate - Vanillin process yields calcium oxalate as by-product	Sept. 16 103
Calibrators - Flowmeter calibrator	Aug. 5 56
Cameras	
Automatic microphotographic camera developed	July 29 27
Particle camera for air pollution surveys	Nov. 25 94
3-in diameter TV camera made in England	July 15 98
Canada	
Antifreeze, brake fluid marketing hassle	July 22 82
Atlantic Provinces' industrialization moves spark new CPI interest (table)	Dec. 23 17
Border Chemical eyes fertilizer field	Sept. 2 27
British American Oil-Shawinigan Chemicals deal involves transfer of stock and cash	Aug. 26 18
Caustic-chlorine plant for New Brunswick	Sept. 30 18
Chlorine-caustic expansions for New Brunswick area	Oct. 21 22
Chlorine-caustic unit may be included in Saskatchewan herbicides-making complex	Sept. 30 18
Citric acid marketing problems	Oct. 21 98
Drug seller Jules Gilbert builds thriving business on cut-rate generically labeled products (table)	Dec. 23 23
Helium firm completes initial financing, seeks world markets	Nov. 11 25
Herbicides maker pushes for tariff against U.S. made imports	Nov. 4 139
May join European Common Market	Oct. 21 18
New association of Canadian chemical manufacturers being formed	Dec. 16 130
Oxalic acid marketing problems	Oct. 21 98
Petrochemical producers seek to keep LPG in Alberta	July 15 24
Petrochemical project at Varennes to be joint venture of British American Oil and Shawinigan Chemicals	Aug. 12 22
Plastic film industry shifts into high gear	Oct. 21 40
Plastic foam industry is growing rapidly	Aug. 12 54
Polyolefin packaging film lineup grows	Sept. 16 94
Potash project is second for Saskatchewan area	Sept. 2 22
Potash projects move ahead	Sept. 30 23
Potash prospectors step up race to develop new ore findings (map)	Aug. 5 50
Rules to regulate transportation of radioactive materials on highways	Dec. 9 42
Seeks trade bloc to preserve export markets (table)	Oct. 28 25
Sorbitol oversupply foreseen	Nov. 11 17
Sulfur plant: ship it via novel bulk train	Aug. 19 100
Survey pegs opportunities for U.S. firms	Nov. 18 159
Tariff revision bill killed	July 29 17
Tax incentives boost research in Canada	July 29 23
Toluene disocyanates venture	Oct. 21 18
Western Canada cuts utility rates in hopes of drawing new plants to area	Nov. 18 15
Canadian Manufacturers of Chemical Specialties Assn. - 4th annual meeting to be held in Toronto	Sept. 16 54
Cancer	
Conference on use of drugs to treat cancer	Sept. 30 32
NIH will increase research on viruses as a cause of cancer	Sept. 9 44
Pactamycin, new cancer-fighting antibiotic	Nov. 11 106
Vaccine to immunize mice against leukemia-like cancers	Dec. 23 39
Virus discovered that may cause cancer in human beings	Sept. 2 53
Cepolactum	
Du Pont plant onstream at Beaumont, Tex.	July 8 84

Polymerizing and casting caprolactam at the same time - new process	Aug. 5	99	Nitrogen (charts & tables)	Aug. 26	33	Color - Hawaiian lipstick pod plant yields safe colors	Nov. 11	92
Carbon black			Paper: specialties challenge (tables)	July 15	79	Columbia University - Antifungal research	Nov. 11	106
Cabot develops process for carbon-extended plastic pipe	Dec. 23-37	40	Pattern of chemical business in '61 (charts)	Nov. 4	105	Columbium		
French process for cross-linking polyolefins and carbon black	Dec. 9	71	Water (charts & tables)	Oct. 7	49	Canadian firm bets on concentrating process, reserves, by-products markets in bid for U.S. columbium ore markets	Oct. 14	101
Indian carbon black project	Dec. 23	14	Chile - Feasibility of manufacturing phosphate fertilizers studied	Dec. 16	112	Canam firm to produce columbium metal concentrate	Sept. 23	90
Ozone opens way to carbon black-filled polyethylene	Dec. 23	36	China			Distillation tower fabricated from columbium	Oct. 14	97
Shipments for '61 are below '60 levels	Nov. 25	121	Japan resumes chemical trade with Red China	July 8	84	Patent on columbium steel received by Great Lakes Div. of National Steel	Dec. 2	58
U.S. carbon black capacity gets another boost	Oct. 7	106	Red China reveals fertilizer expansion plans	Sept. 16	30	Compressors - Centrifugal compressor	Sept. 2	59
West Coast's first plant now operating	Aug. 19	90	Red China will build 24 factories in Cuba	Dec. 9	30	Computers		
Carbon dioxide - Price fixing suit	Dec. 23	13	Chlorine			Computer control development and marketing agreements	Sept. 16	64
Contempt-of-court case Sept. 16-78	Dec. 30	10	Canada's K.C. Irving to go ahead with chlorine-caustic venture despite CIL's plans	Oct. 21	22	Crude distillation unit incorporates computer control system	Sept. 23	84
Castor oil - GSA may sell 155.6 million lbs. from stockpile	Sept. 16	48	Canadian projects in New Brunswick and Saskatchewan	Sept. 30	18	Data processing profits formula outlined by P&G (chart)	Sept. 23	27
Catalysts			Expansions in U.S. and Canada	Nov. 11	25	Desk-sized information retrieval system	Sept. 30	36
Catalyst-cleaning process uses ion-exchange principles to remove metallic poisons	Dec. 9	93	Paper: chlorine's white hope (charts)	Aug. 5	45	Digital converter, called the Discon, debuts	Sept. 30	36
Coordination chemistry leads to further understanding of catalysis	Sept. 16	33	Platinized titanium anodes - four way agreement may clear up patent confusion	Sept. 9	90	Flow ratio computer	Sept. 30	38
Ethylene catalysis process developed in Poland	July 29	42	Stauffer's West Coast chlorine plant output will be captive	July 22	17	Germany installs most advanced CPI computer set-up outside U.S.	July 15-76, July 22-54	
Halide-free platinum reforming catalyst	Aug. 12	36	Chlorothene - Canadian firm to produce solvent chromatography - Solid support for preparing column packings for gas chromatographs	Aug. 19	90	IBM's first closed-loop job controls crude oil distillation unit	July 29	46
Houdry piles up profits from catalytic chemistry (tables)	July 29	42	Chromium - Australian alloying process rights acquired by Du Pont	Nov. 4	88	Industrial control computer, TRW-530	Nov. 4	101
Machine speeds reloading of catalyst in tubular reactors	July 29	39	Citric Acid			Information retrieval problem comes under new attack	July 8	75
Smog-controlling, catalyst-muffler - new entry	July 22	75	Canadian marketing problems	Oct. 21	98	Microminiature digital computer uses Solid-Circuit semiconductor networks, Series 51	Oct. 28	67
Volatile catalyst kills odors by chemical reaction	Sept. 9	125	Prices	Nov. 25	105	Papemaking by computer cuts downtime and costs	Nov. 25	94
Caustic soda			South African unit planned	July 8	25	PERT planning offered to users of RCA 501 Electronic Data Processing System	Sept. 16	109
Canadian chlorine-caustic expansions for New Brunswick area	Oct. 21	22	Civil Defense			Pneumatic computer debuts for analog process control (chart)	Aug. 12	48
Canadian projects in New Brunswick and Saskatchewan	Sept. 30	18	Our role in civil defense - Viewpoint	Nov. 11	5	Primary oxidation units - computer controlled	Nov. 18	175
Chlorine growth may create a caustic surplus (charts)	Aug. 5	45	\$26 million sought for civil defense medical supplies	Aug. 26	29	Soviets purchase English computer for process control	July 15	76
Expansions in U.S. and Canada	Nov. 11	25	Classification plant	July 1	38	Talking computer called Unical	Oct. 21	71
Cellophane			Clay - Hydrophobic clay bids for extender jobs - letter	July 1	7	Teaching machine called Audio Graphic	Aug. 19	78
Film prices	July 1	51	Cleaners			Teaching machines offer new training savings	Sept. 9	93
Plastic film and cellophane makers compete for packaging market	Oct. 21	97	Aerosol spray cleaner, Instant Jalo	Dec. 30	37	Concrete		
Cellulose acetate - Molding compounds and flakes - prices	Oct. 14	123	Gemical cleaning chemicals for hospital use	Dec. 16	32	Cooling towers made of concrete cut repair costs	Nov. 25	92
Cement			Over-Type type cleaner	July 8	96	Connectors - Electrical connector	Aug. 19	62
Epoxy cement	Nov. 11	92	Palcin 601, new cleaner-stripper compound	July 1	59	Construction		
Masonry cement	July 15	91	Sponge impregnated with cleaning and polishing compound	Oct. 21	52	CPI builds faster after third-quarter lull (table)	Oct. 14	31
Styrocure, new cement additive	July 1	59	Survey covers housewives use of rug and window cleaners	Nov. 25	84	CPI firms broaden plastic panel marketing programs	Aug. 5	152
Central America - El Salvador's fertilizer project ready to get under way	Oct. 14	30	Clothing - Colored work clothes	Nov. 4	172	Japan: new force in world engineering (table)	Nov. 25	66
Centrifuges - AEC awards first industrial contract for an advanced gas centrifuge separator	Oct. 7	45	Clutches - Power transmission clutch	July 22	54	Plant contracts - roundup of first-half '61 (charts & tables)	July 15	31
Ceramics			Coal			Plastics in building - door opens wider to a mighty new market (table)	July 15	21
Air Force reports on space-age ceramics research (table)	Sept. 30	83	Blast furnace uses coal instead of coke	Sept. 9	126	Plastics nab bigger share of construction market	Aug. 5	118
Ceramic fabrics rise to challenge of rugged filtering jobs	Oct. 14	127	Britain halts research on making oil from coal	July 8	58	Pre-engineered metal buildings for housing equipment, offices and warehouses	Nov. 4	172
Pycnox, new ceramic binder	Sept. 9	86	Britain's first Lurgi high-pressure gasification plant onstream	July 29	41	Prefab models of plants cut construction, materials costs	July 29	30
Cesium			Direct firing of a coal slurry was successfully demonstrated	Nov. 11	80	Southern construction scheduling shortens plant-building time	Aug. 26	50
AEC is recovering cesium-137 from plutonium ion propulsion systems boost market for cesium (table)	Sept. 9	105	German author says that U.S. oil companies are switching to coal as their energy source - letter	July 22	14	- letter	Nov. 4	6
NASA estimates of cesium's future in electric propulsion and thermionic conversion	Dec. 2	57	Indian project	Dec. 16	112	Consultants - Farm consumer panel	Nov. 4	136
Research and development of cesium-powered ion rocket engine	Dec. 9	64	Slurried coal promises power cost reductions	Nov. 18	179	Containers		
Space exploration programs brighten outlook for cesium markets (table)	Aug. 5	116	Coal Tar Chemicals - Pennsylvania bans manufacture and use of 8-naphthylamine	Dec. 2	62	Bottle firm goes basic, will produce linear polyethylene	July 15	25
- letter	Oct. 21	5	Coatings			Commerce Dept. reports on packaging progress	July 8	37
Charlotte, N.C. grows fast as Southeastern specialties center (table)	Nov. 4	48	Air Force reports on space-age coatings research (table)	Sept. 30	83	Disposable box with pliable film liner called Liquatiner	Sept. 9	96
Chelating Agents - Iron chelate	Dec. 23	25	Aluminum coating helps fiber products resist heat	Aug. 19	57	Glass gains	Dec. 9	42
Chemical Industries Exposition			Aluminum foil coating called Glassine	Sept. 16	54	Molded linear-polyethylene six-bottle carton for Coca-Cola	Dec. 30	57
Chemshow '61 - report: what to see: highlights of equipment and process displays; New York on \$30/day; new, combination floor-plan-exhibitor-chart; alphabetical lists; classified lists	Nov. 18	41	Asphalt coating and primer for pipes	July 8	54	Plastic containers in carboy, drum sizes reheat 'return' vs. 'nonreturn' fight (table)	Aug. 19	97
Effective selling costs money - Viewpoint	Dec. 9	5	Auto coatings marketing picture remains constant (tables)	Oct. 14	115	- letter	Oct. 28	9
28th Chemshow catches industry image	Dec. 9	113	Automotive enamel	Nov. 18	176	Squeeze-type polypropylene tubes to be made by Peerless	Aug. 19	100
Welcome to the Chemshow - Viewpoint	Nov. 18	5	Brick coating called Polydite	Sept. 30	62	Contractors - NASA contractors will get indemnity coverage	July 22	104
Chemical Market Research Assn.			Epoxy stripper	Dec. 2	54	Contracts		
Lake George meeting focused on chemicals opportunities in electronics	Sept. 23	98	Fabrics coated with fluorinated synthetic rubber	Aug. 19	62	Air Force seeks to improve and simplify defense procurement contracts	Oct. 7	46
People: Key to CPI growth in West (charts & tables)	Dec. 9	105	Fade-resistant lacquers for decorating polyethylene and polypropylene called Rubbalac	Nov. 26	86	CPI plant building rises steadily after lull (table)	Oct. 14	31
San Francisco meeting theme - "Chemicals today and tomorrow, western U.S. and Japan"	Dec. 2	26	Fire-retardant Gel Coat	Oct. 21	56	Contract figures: more precise measure - Dimension (chart)	July 15	32
Chemical Specialties Manufacturers Assn. - "Compilation of Economic Poisons (Pesticides) Laws" - new edition issued	Aug. 5	142	Frying pan coatings called Pan-Magic and No-Stick	Nov. 4	52	Defense Dept. will expand cost-plus-incentive-fee type of contract	Nov. 4	60
Chemical Specialties Mfrs. Assn. - Federal Hazardous Substances Labeling Act update	Dec. 16	24	High build urethane coatings system	Sept. 9	86	Engineering contracts - roundup of first-half '61 (charts & tables)	July 15	31
Chemical Week - Buyers' Guide Issue	Sept. 30	PL 2	High-slip coating called Tenite Polyethylene H55P	Oct. 21	54	Military prime contracts - CPI ranks high on list	July 15	46
Chemical Week Reports			Neoprene coating called Acco	July 8	96	Controllers		
Chemshow '61 - report: what to see: highlights of equipment and process displays; New York on \$30/day; new, combination floor-plan-exhibitor-chart; alphabetical lists; classified lists	Nov. 18	41	Paper coating field rolls up gains for synthetic latex binders	Sept. 2	51	Flow-rate controller	July 8	55
Crisis in Latin America (charts & table)	Aug. 5	63	Paper: specialties challenge - report (tables)	July 15	79	Level controller	Sept. 16	88
Cryogenic gases (charts & table)	Oct. 14	55	Polysulfide coatings for road repair and construction - Thiokol expands line	Oct. 21	25	Level controller does not contact material being measured	Oct. 7	99
Germany's big three (chart & table)	Sept. 9	45	Protective coating called Tyzin	July 1	59	Nitrogen level control	Nov. 4	175
India (charts & tables)	Sept. 23	65	Refractory metals coatings research (table)	Oct. 7	89	Process-control board simulator for industrial training programs	Sept. 30	48
New chemicals for industry	Dec. 16	51	Research contract to study effect of surface coatings on the behavior of materials	Dec. 9	68	Weight control system	Sept. 30	38
			Roof coating called Desco Neolon	July 8	99	Coolers - Stacked compressor coolers	Sept. 16	88
			Thermosetting acrylic coating dries in 24 seconds under radiation	Nov. 18	176	Cooling Towers - Concrete is new contender for CPI cooling tower jobs	Nov. 25	92
			Transparent coating for autos called Gift-Wrap	Nov. 18	176	Co-operatives - Farm co-ops move to capture bigger slice of fertilizer markets (table)	Dec. 9	28
			Vinyls vie for chain-link fence coating jobs	Aug. 19	39	Copper		
			Whirlwind plastic-coat process boosts filter press plants' life	July 8	48	Copper crystals for use in neutron spectrometers	Dec. 2	78
			Cobalt - Hydrogen recovery of nickel and cobalt	Oct. 21	64			
			Coke					
			Indian project	Dec. 16	112			
			Petroleum coke looks for work in Western phosphorus furnaces	Aug. 12	46			

[illegible]

Monsanto borrows to finance worldwide expansion program	Dec. 9	29	Chemical output goals	Oct. 28	24	Germany	Nov. 11	26
Overcapacity - survey clarifies CPI picture (table)	July 22	102	France needs integration - Behind the news H.C.E. Johnson	July 15	5	Chemical investments prediction	July 15-76, July 22-54	
Pattern of chemical business in '61 - report (charts)	Nov. 4	105	Isocyanates plant to be built by Du Pont and Kuhlmann	Aug. 26	23	Dragoco GmbH spurs U.S. selling drive	Dec. 2	47
Pfizer's new growth formula	July 1	18	cis-Polybutadiene unit planned	Sept. 16	17	Du Pont eyes German textiles	Nov. 4	44
Private foundations faced with problem of increased government supports for research	Sept. 23	55	Rhone-Poulenc will control almost all man-made fiber production	July 22	18	Ethylene and propylene project for Wesseling	Oct. 21	26
Public health funds get boost in '62 budget	Nov. 4	99	Synthetic rubber plant planned	Dec. 30	40	Fourth refinery fire	Dec. 9	36
Sales and earnings - early reports for third-quarter	Oct. 21	17	Synthetic textile industry moves closer to integration	July 8	17	Fuel cell developments	Dec. 30	51
Sales and earnings report for first quarter (chart & table)	July 29	13	Freight Rates			Germany's big three - report (chart & table)	Sept. 9	45
Sales and earnings - '61 first-half returns are varied (tables)	Aug. 19	24	Air freight rates drop, brighten prospects for air-shipped chemicals	Aug. 5	147	Hoechst's nine-month report points up profit squeeze	Oct. 21	32
Sales and earnings - '61 second quarter report shows wholesome gains	Aug. 5	40	Air freight rates may drop	Sept. 9	44	Hydrogen peroxide venture	Nov. 18	18
Sales and earnings - '61 third quarter reports (chart & table)	Oct. 28	21	Air freight rates - simplified rates may win CAB approval	Oct. 14	52	Isocracker to be included in West German refinery	Oct. 7	26
Scientific education - investment trends	July 15	75	Commerce Dept. study may have far-reaching effects on shipping rates	Nov. 4	59	Marathon International and Wintershall AG oil refinery at Mannheim	Dec. 2	30
Security analysts lose confidence in CPI's growth prospects	Aug. 26	60	ICC upholds reduced rates given under Piggyback Plan No. Three	July 8	43	Plastics boom is softer	Aug. 5	126
Spencer Chemical diversifies toward the consumer for profits	Aug. 12	21	Railroad rate cutting legislation postponed by Senate	Sept. 23	44	Plastics producer shelves plans for new plant	Sept. 16	30
Stock issue plans - spelling out hazards of going public	Dec. 30	60	Rails win piggyback rate case	July 15	42	Polyethylene dumping charges leveled against U.S.	Nov. 4	37
Stock option plans are object of Senate probe	Aug. 5	106	Sodium bisulfite figures in freight-rate battle	Dec. 30	14	West German chemical industry - boom grew in '60 (tables)	Aug. 19	81
Stock options' good points outweigh the bad - Viewpoint	Nov. 4	5	Fuel			West German economic boom tapers off	Dec. 30	40
Tenneco and Cary Chemical issue prospectuses on new financings	Dec. 23	16	Additive injection system blends anti-icing fluid with aircraft fuel	Oct. 7	99	West German export pinch	July 15	25
TVA's liberalized credit policy	Dec. 2	65	Air Force decides to continue boron fuels research program	Oct. 7	46	Germicides		
Treasury Secretary Dillon predicts boom by middle of '62	July 1	21	Anti-icing jet fuel additive	Nov. 18	175	Emkasan, new series of germicidal products	Sept. 16	54
Unincorporated firms decreasing - but survivors prosper (table)	Sept. 9	40	AEC's Seaborg outlines plans for private nuclear-fuels business	Nov. 18	17	Germicide-bactericide series for use in plastics	Sept. 30	62
United Technical Industries sees first profits within reach	July 29	17	Blast furnace: new customer for fuel oil, gas and oxygen (chart)	July 8	63	Liquid germicide called Hyamine 3500-80% Concentrate	Nov. 26	86
Upjohn moves another notch away from family control	Aug. 12	22	Fuel cell R&D combine formed in Britain	Nov. 11	106	Glass - Container shipments advanced	Dec. 9	42
Vertical integration in petrochemicals	Dec. 2	24	Fuel cells - Austin cell to be studied	Nov. 4	101	Glass Fibers		
Veteran industry observer sees many reasons for profit plight - Viewpoint	Sept. 30	7	German developments in fuel cells	Dec. 30	51	Fiberfil and Amfab, two of a host of new filter fabrics	Oct. 14	127
Wall Street experts gauge outlook for chemical stocks (chart)	Nov. 25	28	Hydrocarbon fuel developments	Oct. 28	38	Flameless decrimping process, Vista, yields tougher glass fabrics	Dec. 30	51
Washington's heavy hand - Viewpoint	Oct. 14	5	Liquid rocket fuel makers in race to develop huge boosters for space missions	Dec. 9	47	Gloves - Aluminum coated welder's glove resists heat	Aug. 19	57
Finishes			Nuclear fuel research pace quickens (chart & table)	Nov. 4	46	Gluconic acid - Cowles Chemical enters field with new catalytic air-oxidation process	Nov. 18	185
Cadmium dip	Sept. 16	54	Slurry fuels for rockets - development contract	Nov. 18	167	Glycerin		
Resin-base water repellent finish for fabrics	Dec. 9	85	Solid-fueled rocket booster	Aug. 5	100	Olin's new glycerin route converts propylene oxide into allyl alcohol	Oct. 7	83
Finishing - Metal finishing entry	Dec. 9	88	Thorium-uranium fuel	Dec. 16	45	Oversupply problems mount as Olin moves into field	Oct. 7	31
Fire - Houston Ship Channel collision and fire	Nov. 18	16	U.S. fuel resources study	Nov. 18	180	Prices	Aug. 5	125
Fire Extinguishers			Fumacetic acid			Supply will soon outpace demand (chart & tables)	Oct. 21	103
California fires create flash market for borate fire-fighting chemicals	Nov. 18	186	Demand set for spurt, thanks to FDA ruling (chart & tables)	Aug. 26	63	Glycol - Solvent-free glycol	Dec. 9	71
Chemical forest fire-fighters blaze new trails	Oct. 7	39	Prices	Sept. 9	7	Gold		
Fittings - Yelox steel pipe and fittings	Oct. 21	110	Fumigants - Aerosol home fumigant	Nov. 25	105	High-vacuum fuming process for gold spheres	Nov. 4	88
Flattening agent for paints	Nov. 25	88	Fungicides	July 8	99	Mechanochemical device for reclaiming gold	July 8	96
Flavors - Monosodium glutamate capacity outpaces demand (charts & tables)	Dec. 16	123	Antifungal agents debut	Nov. 11	106	Gordon, Wallace E. - Du Pont's new industrial, Biochemicals Dept. chief	Nov. 25	26
Flooring - Epoxy resin "terrazzo" called Poly-Traz	Sept. 16	59	Semiconductors tested for use as an antibiotic for control of comandra nut in lodgepole and ponderosa pines	Aug. 5	126	Gratings - New grating has greater load-bearing capacity	July 8	53
Flotation - Beryllium minerals recovered from ores	Dec. 9	99	Fumaces			Great Britain		
Flowmeters			Blast furnace: new chemical consumer (chart)	July 8	63	Antidumping legislation needed for U.S. polyethylene imports	Nov. 11-18, Nov. 18-10	
Calibrator for flowmeter systems	Aug. 5	56	Coal replaces coke in blast furnaces	Sept. 9	126	Britain's economic paradox - Behind the news H.C.E. Johnson	July 15	7
Fluid flow measurement employs radioisotopes	Oct. 21	72	Egyptian Iron and Steel will use fuel oil injection system in blast furnaces	Sept. 16	109	Chemical producers eye proposed anti-inflation measures	July 1	19
Mass flowmeter tester	Oct. 21	110	Horizontal retort furnace distills cadmium and zinc	July 8	72	Courtauld-British Enka merger negotiations	Oct. 28	18
Ultrasonic mass flowmeter	Sept. 23	59	Rotating electric phosphorus furnace construction under way	Dec. 2	58	EEC membership bid raises major questions for U.S. CPI firms	Aug. 12	19
Fluorine			Steel ingot is electrode in novel electric furnace developed by Soviets	Nov. 18	182	EEC membership prospects are dimmer	July 22	18
Nitrogen fluoride compounds available in tonnage quantities	Nov. 11	79	Gas			EEC talks start	Oct. 21	32
Tennessee study strengthens case for water fluoridation	July 8	27	Cryogenic engineering - who's who and what they offer - Dimension	Oct. 14	64	English Channel bridge proposed	Sept. 23	102
Toothpastes containing fluoride stage a comeback	Sept. 2	45	Cryogenic gases - report (charts & table) - letter	Oct. 14	55	Fisons joins ranks of foreign firms investing in U.S.	Nov. 18	14
Fluorocarbons - Capacity climbs, but demand is climbing faster (chart & tables)	Oct. 28	87	Czech firm invites bids for construction of a gas plant	Nov. 18	7	Liquefied methane to be imported from Sahara	Nov. 25	25
Foams - Urethane foam molding process launched	July 8	45	Precipitator improvements promise cheaper gas cleanup	Oct. 21	66	Moves toward Common Market participation	Aug. 5	38
Food Chemicals			Special adhesive makes a cheaper gas filter	Oct. 21	109	New policy may crimp chemical investment outside the Sterling area	Sept. 2	22
Additives - FDA grants time extension for obtaining safety clearances	July 15	46	Gasoline			Paint industry mergers	Sept. 2	29
Adipic acid consumption by food industry (chart)	Sept. 23	95	Antiknock compounds - prices	July 1-52, July 8-83		Plastic sales hit new record	Sept. 9	100
Diethylstilbestrol to caponize chickens banned	Dec. 30	14	Octane ratings - Bureau of Mines survey	July 15	76	Polyethylene prices slashed	Aug. 12	54
Fumaric acid makers bid for share of food acidulants market (chart & tables)	Aug. 26	63	Gauges			Polypropylene filament yarn plant being built by ICI	Sept. 23	18
Heat-reversible protein gel aims at broad food uses	Sept. 16	52	Leak-detecting process uses sensitive pressure gauges	Nov. 25	70	Production outlook	Dec. 30	58
Meat film, called VitaFilm ST, for packaging frankfurters	Sept. 9	86	Pressure gauge, portable	July 8	55	R&D study shows firms put more total research effort into basic studies	Dec. 30	51
State and local control of food and drug "quackery" urged	July 1	22	Thickness gauge	Oct. 28	92	Reviewing problems connected with possible imports of Soviet oil	Dec. 2	42
Food and Drug Administration - Labeling rules under fire by CPI	July 22	25	Generators			Unilever bids for lion's share of detergent market	Aug. 26	18
Foreign Credit Insurance Assn. - Export credit insurance plan	Nov. 18	33	Cesium-137 generator to operate underwater seismographic station	Aug. 5	99	Guided Missiles		
Formaldehyde - Stabilized rather than inhibited - new watchdog in formaldehyde selling	Sept. 30	104	Compact steam generator unit called Hypox Combustor	Oct. 21	72	Increased production of solid-fueled missiles	Dec. 9	47
Fomic acid - Available from S.B. Penick	Nov. 4	88	Electric generators for Hanford nuclear reactor are out	Aug. 19	30	Solid-fueled tactical ballistic missile plans are under study at the Pentagon	Oct. 28	31
Forming			Electric generators for Hanford plutonium reactor virtually assured	July 29	20	Storable liquid propellants pushed for use in ICBM missiles	July 1	21
Cold stretching process called Ardeforming increases strength of steel	Aug. 26	55	Hypox Combustor generator produces stand-by steam	Nov. 4	168	Helium		
Cold-stretching process may produce lower cost stainless steel pressure vessels and piping	Sept. 2	57	Thermionic generator operates on propane and air	July 29	45	Hansen, Kurt - Bayer's new "Americanized" chief	Nov. 4	162
Explosive-forming shapes new market for specialties	July 8	93	"Unipolar" and "acyclic" generators - new direct-current generators	Nov. 11	83	Heat Exchangers		
- letter	Sept. 9	7	German Aluminum Assn. - Survey of world aluminum output	Oct. 21	106	Combination distillation-tower-heat-exchanger promises process savings	Sept. 9	126
France						High-pressure, double-pipe, fin-tube heat exchanger	Aug. 19	62
Aluminum exports to the U.S.	Dec. 2	67				Plate heat exchangers pay off in latex processing	July 22	52
Antidumping tax slapped on polyethylene imports	Nov. 4	37				Hesters - Electrochemical burner provides 3000-6000F heat	July 1	38
English Channel bridge proposed	Sept. 23	102						

Congress strikes compromise on helium program	Aug. 12	54	Kennedy Administration urges sweeping changes for U.S. trade, tariff and tax policies	Nov. 25	21	disclosed	Sept. 2	21
Conservation program relieves helium bind (charts)	Sept. 9	57	President's "bold new" trade program is being pushed	Dec. 16	17	Competition will get rougher for the synthetic rubber industry and its chemical suppliers	Dec. 9	17
Cryogenic gases - report (charts & table)	Oct. 14	55	U.S. aluminum industry proposes four-point trade program	Nov. 25	47	Com Products Co. cashes in on com	July 8	22
Czechs build helium liquefaction plant	July 1	38	U.S. proposal aimed at controlling international aluminum trade protested	Dec. 2	67	Courtaulds-British Enka merger negotiations	Oct. 28	18
Government awards second contract for production of helium from natural gas	Sept. 2	64				Deere says no to chemical expansions	July 22	27
Government signs first helium conservation contract	Aug. 26	66				Diamond Alkali acquires Commercial Solvents' holdings in Chemical Process	Aug. 5	37
Government awards last contract to Phillips Petroleum	Nov. 25	17	India			Diamond Alkali-Chemical Process merger near	Nov. 18	10
National Helium to build helium extraction plant under U.S. purchase contract	Oct. 21	18	Aluminum and pharmaceuticals industries to be developed by Hungarians	Sept. 9	41	Diamond Alkali-Chemical Process merger via proposed exchange of stock will probably be killed	Aug. 12	17
Prices	Aug. 19-89, Aug. 26-86		Argon gas will be made available as a by-product at the Trombay Island fertilizer plant	July 29	18	Diamond Alkali claims victory in Chemical Process fight	July 8	18
25 special helium tank cars to handle increasing shipments	Dec. 9	102	Calcined coke venture	Aug. 19	27	Diamond Alkali-Fiber Chemical merger	Sept. 30	17
U.S.'s first privately owned plant on the way	July 29	9	Carbon black ventures planned	July 1-20, Dec. 23-14		Limestone, buys Chempro	Aug. 26	23
Herbicides			Coke and coal project	Dec. 16	112	Du Pont's Reeder foresees 8-10% rise in chemical output next year	Dec. 2	29
Canadian producer pushes for tariff against U.S. made imports	Nov. 4	139	Fertilizer-for-jute barter deal hits snag	Nov. 11	22	Egypt's nationalization moves are discouraging to foreign investors	Oct. 21	29
Crab grass killers	Dec. 16	90	Fertilizer-for-jute barter deal with U.S. firm. Fertilizer plant falls short of designed-rated capacities	Sept. 9	34	El Paso Natural Gas-Pacific Northwest Pipeline merger gains a friend	Sept. 9	38
Portable sprayer applies invert herbicides from the ground	Sept. 9	82	- letter	Oct. 21	5	Europe's chemical groups close ranks (table)	July 22	31
Post-emergent herbicide for tomato crops called Solan	Oct. 21	71	Fertilizer policy changes considered	Nov. 18	17	Fallout - what the U.S. CPI is doing to counter its effect on chemical processes	Dec. 2	81
Trillium herbicide to be produced by Stauffer	Nov. 18	186	Fertilizer projects	Dec. 9	30	FMC's three-year expansion program	Sept. 23	25
USDA is experimenting with thiolcarbamates for use against weeds that develop a thick coating of leaf wax	Dec. 23	39	First private pharmaceutical research center set up	July 8	80	Forecast '82 - gains will shape record-breaking year (charts)	Dec. 30	25
Weed killers called Herbicide 82 and Lorox	Dec. 23	39	Five-year chemical plans shape up	July 1	19	Foreign chemical activity in U.S. - Fisons buys in	Nov. 18	14
High-speed testing equipment - new developments (table)	Nov. 4	85	Government's new oil product pricing rules controversy	Dec. 9	36	Foreign investments leveling off (chart & table)	Sept. 9	37
Hormones - Radiation-damaged tissue treated with injections of pancreas hormones	Nov. 25	76	India's chemical buildup - report (chart & tables)	Sept. 23	65	Freeport Sulphur acquisition of Uranium Reduction and uranium properties of Uteq	Dec. 16	17
Hungary - Financial assistance to be given to India's pharmaceuticals and aluminum industries	Sept. 9	41	- letter	Oct. 21	5	Exploration confirmed	Oct. 28	24
Hydrocarbons			Montecatini increases interests in India	Aug. 4	160	French chemical output goals	Nov. 4	46
Acetylene from hydrocarbons using Wulff process	Dec. 9	72	Newspaper production to increase sixfold in next five years	Aug. 26	24	GAF wants to change name to Ansco Corp.	Sept. 9	45
Carbide adds hydrocarbon blends to aerosol propellants line	Oct. 7	41	Nylon venture with Yugoslavia	Aug. 12	18	Germany's big three - report (chart & table)	Aug. 19	26
Freon C-318 approved for use as a propellant in aerosol food containers	Oct. 14	124	Petrochemical projects approved	Dec. 16	112	Gilgotten moves two steps away from paints	Sept. 30	18
Hungarian hypersorption process for separating light hydrocarbon gases	Oct. 21	64	Plans to import 40% of its fertilizer needs	Aug. 12	20	Grace and Cossden map new ventures as chemical sales hit \$250-million mark	Sept. 16	28
Hydrocarbon fuel developments	Oct. 28	64	Reichhold establishes branch in India	Sept. 29	15	Hico may acquire 3M's Zenith Plastics Co.	Sept. 30	18
Researchers gain new insight into the growth of bacteria in hydrocarbons	Sept. 2	54	Streamlines procedures for approving new projects	Sept. 30	25	Hooker gets on new products to produce profit upturn	Dec. 9	26
Wurtz syntheses used to make hydrocarbon waxes	Aug. 26	55	Synthetic camphor plant planned	Sept. 30	25	Houdry piles up profits from catalytic chemistry (tables)	Aug. 12	36
Hydrofluoric acid			Synthetic resins venture	Nov. 4	47	ICI bids for Courtaulds in move to strengthen fiber position	Dec. 30	39
Dixon Chemical is making shipments from Paulsboro, N.J. plant	Nov. 18	185	TEL venture	Sept. 30	25	India cuts red tape for new-plant builders	July 29	15
Prices	July 1	52	U.S. backing sought for auto tires and tubes, polyethylene, and polystyrene projects	Nov. 25	27	India - report (chart & tables)	Sept. 23	65
Hydrogen			Indonesia - Fertilizer plant to be built at Djambi, Sumatra			India's five-year chemical plans shape-up	July 1	19
Coast-to-coast liquid hydrogen shipments launched	Sept. 2	85	Industry Developments			International Minerals embarks on four-way expansion program	Nov. 4	45
Cryogenic gases - report (charts & table)	Oct. 14	55	Air Products and Chemicals acquires Delta Oxygen, heads for \$70-million sales range	Sept. 16	26	Ireland - U.K.'s Common Market bid prompts CPI's look at Ireland (table & map)	Sept. 30	26
H-Oil process's expected hydrogen consumption	Dec. 16	94	Alco moves into farm chemicals field via multiple merger	Oct. 28	23	Italian chemical investments overseas are increasing	July 22	18
Hydriphils, new lightweight source of hydrogen	Sept. 23	55	Allied Chemical-Union Texas merger revealed	Nov. 25	17	Jersey Standard builds on global scale (table)	July 15	109
Hydrogen recovery of nickel and cobalt	Oct. 21	64	Allied Chemical-Union Texas Natural Gas merger - stock exchange approved	Dec. 30	12	Korea opens door to foreign investment	Nov. 25	48
Isomax, new hydrogen cracking process	Nov. 25	75	Amerace continues chemical expansions	Nov. 25	23	Latin America's crisis - report (charts & table)	Aug. 5	63
NASA plans new liquid hydrogen plant	Aug. 19	77	American-Marietta-Martin Co. merger approved	Aug. 12	18	Lime firms merge	Nov. 4	45
Naphtha reforming routes promise new source of hydrogen	Oct. 21	61	American Metal Climax expands metals and chemical operations	Oct. 7	33	Lockheed acquires Grand Central Rocket	Sept. 16	27
- letter	Nov. 11	6	Amb nations push for economic cooperation	July 8	24	Merger or acquisition - Hunt Foods with W.P. Fuller	Dec. 16	17
Palladium diffusion system to be used by Air Reduction	Nov. 11	73	Arabs seek cooperative approach to petrochemical development	Oct. 28	24	Merger - Spencer acquires Perkins Glue	Dec. 9	18
Selas will build unit for Tidewater's Isocracking plant - letter	July 22	7	Argentine offers new lures to foreign investors	July 8	22	Merger - Air Products approves mergers with Southern Oxygen and Air Products and Chemicals	Aug. 5	37
Hydrogen cyanide - Shawinigan describes yields, utility needs of new HCN process	Sept. 16	104	Amour pushes ahead on big chemical ventures	Sept. 9	39	Metal & Themi-Udylite merger proposed	Oct. 7	33
Hydrogen fluoride - Kaiser expansion at Gramercy, La.	Oct. 7	25	Atlantic Refining acquires majority interest in Frank Chemical & Plastic	Sept. 23	26	Nitro's CPI - Behind the news	Nov. 11	25
Hydrogen peroxide - High-density bleaching of groundwood pulp with hydrogen peroxide - new process (table)	Sept. 23	81	Baird Chemical's acquisition of Barlow Chemical approved by directors	Aug. 19	18	Noronto builds up overseas operations	Nov. 11	25
Hydrogen sulfide - Packaged hydrogen sulfide process developed	Sept. 30	72	Belgian firms propose triple merger	Nov. 4	160	Monasito combines petroleum and petrochemical operations	Nov. 4	38
			Borden forms specialty ink division	Dec. 30	12	Monasito integrating both ways in plastics	Dec. 30	11
			Borden: integrating both ways from PVC (table)	Aug. 5	47	Montecatini increases its interests in India and Japan	Nov. 4	160
			Borne Chemical, Northern Natural Gas get set for new chemical ventures	Aug. 5	49	Montecatini, Virginia-Carolina invest abroad to widen business bases	July 15	23
			Brazil's new regime takes office	Sept. 16	29	National Dairy expands fatty acids, chemical operations	Oct. 28	24
			Brazil's Quadros resigns	Sept. 2	28	New chemicals for industry - report	Dec. 16	51
			Britain's bid to join EEC raises major questions for U.S. CPI firms	Aug. 12	19	Nigeria's markets: alluring, but hard to crack (table)	Oct. 14	135
			British chemical producers eye proposed anti-inflation measures	July 1	19	OECD goal - 50% increase in over-all industrial production of the "Atlantic community" during the 1960-70 decade	Dec. 2	39
			British federation opposes entry into Common Market	July 29	10	OECD seeks industrial and economic gains for Atlantic nations	Oct. 7	33
			British firm obtains know-how and licenses for East German processes	July 29	9	Overcapacity - survey clarifies CPI picture (table)	July 22	102
			British Guiana elects leftist regime	Sept. 2	26	Owens-Illinois Glass forms Plastic Products Division	Dec. 16	40
			British policy may crimp chemical investment outside the Sterling area	Sept. 2	22	Parke, Davis and Reilly Tar & Chemical joint venture in Europe	Dec. 30	58
			CPI research outlays will climb - but growth rate slips (table)	Dec. 30	45	Pattern of chemical business in '61 - report (charts)	Nov. 4	105
			Canada seeks trade bloc to preserve export markets (table)	Oct. 28	25	Pfizer acquires Thomas Lemming and Paquin	Nov. 18	16
			Canada's Atlantic provinces spark new CPI interest (table)	Dec. 23	17	Pfizer's new growth formula emphasizes foreign branches, new products	July 1	18
			Canadian report pegs opportunities for U.S. firms	Nov. 18	159	Population boom is key to growth of Western chemical industry (charts & tables)	Dec. 9	105
			Capital spending trend for '62-'63 (chart & table)	Nov. 11	23	Portland: Northwest specialties hub (table)	Oct. 14	34
			Carlson Products acquires Warren Molded Plastics	Dec. 23	14	Purex acquires Potter Drug and Chemical	Aug. 26	23
			Catalin acquires Lebec Chemical and Pomar Corp.	Sept. 9	39	Reichhold merges Japanese affiliate with Dai Nippon Ink	July 22	18
			Charlotte, N.C., seizes boom town of the Southeast (table)	Nov. 4	48	Russia's 20-year chemical goal - reviewed	Aug. 4	155
			Chemical producers quickstep southward (tables)	Aug. 5	103	Security analysts lose confidence in CPI's growth prospects	Aug. 26	60
			Chemical products crowd top of U.S. business' fast-growth item list (table)	Oct. 7	32	The South's industrial potential: vast - but problems must be solved - Viewpoint	Nov. 11	5
			Chemshow catches industry image	Dec. 9	113	Investment rules	July 15	25
			Cities Service acquires interest in Ammoniacque Synthetique et Derives	Oct. 14	26	Specialty chemical distributor's transition into specialties manufacture	Dec. 9	77
			Cities Service-Columbian Carbon merger			Spencer Chemical rides hard on acquisition		

trail	Aug. 12	21	Inventory survey finds companies still reluctant to build stock levels	Dec. 9	39	update	Dec. 16	24
Spencer integrates vertically, acquires two plastic film firms	July 22	17	Outlook brightens considerably	Sept. 2	32	Hazardous-substances labeling deadline may be extended	Sept. 23	43
Sudan, African "island" of free enterprise, lures investors (map)	Nov. 25	99	Pattern of chemical business in '61 - report (charts)	Nov. 4	105	Proprietary solvents and denatured alcohol may be exempted from hazardous substances labeling law	Nov. 18	20
Sun Oil confirms reports that it will sell Houli stock to Air Products	Oct. 21	17	Rush deliveries become routine as buyers cut inventories	July 1	25	Turpetine makers fight poison label	July 8	28
Sun Oil may sell its interest in Houdry Process to Air Products	Oct. 14	25	Ion Exchange			Labor		
Textron pushes deeper into chemicals, drugs	Aug. 12	22	Catalyst-cleaning process uses ion-exchange principles to remove metallic poisons	Dec. 9	93	AFL-CIO convention of key interest to CPI management and its future dealings with organized labor	Dec. 16	46
Thiokol seeks new markets via chemical acquisitions	Oct. 21	24	New resins developed	Oct. 28	68	AFL-CIO department to handle disputes and union mergers urged by NLRB	Nov. 18	19
Thiokol shops around for chemical companies	Sept. 23	18	Perrin, new line of ion-exchange and permeable membranes	Sept. 23	50	Agency shop ruled legal by NLRB	Oct. 7	46
Three nonchemical giants seek chemical ventures	July 8	21	Researchers point up new uses for ion exchangers	Oct. 28	35	Allied's new wage agreement	Aug. 12	57
Unincorporated firms decreasing - but survivors prosper (table)	Sept. 9	40	Ireland			Anaconda Aluminum settlement	Nov. 18	162
Universal Oil Products expands	July 15	24	Nitrogenous fertilizer plant to be subsidized by government	Aug. 26	24	Anaconda strike settled	Nov. 18	162
Vulcan Materials acquires Koller Chemical	Nov. 25	26	Northern Ireland draws a second look from U.S. chemical investors (table & map)	Sept. 30	26	Automation - time for retraining - Viewpoint	Oct. 28	5
Wall Street experts gauge outlook for chemical stocks (chart)	Nov. 25	28	Iran			CPI retrain workers to meet demands of automated plants	Sept. 30	43
Washington's heavy hand - Viewpoint	Oct. 14	5	Blast furnace: new chemical consumer (chart)	July 8	63	Cement workers get pay increase	Aug. 12	57
West Germany's chemical boom (table)	Aug. 19	81	Egyptian Iron and Steel will use fuel oil injection system in blast furnaces	Sept. 16	109	Cost-of-living raise for U.S. Steel employees	Oct. 28	54
World fertilizer prospects (map & table)	Dec. 23	52	Natural gas for production of pig iron from blast furnaces	Dec. 16	96	Crosslet signs wage agreements	Sept. 16	74
Wyandotte eyes refractory metals, plans further "geographical" plant balancing	Sept. 30	23	Pipeline shipments of iron ore considered	Aug. 19	78	Discrimination - chemical producers in the South have major stake in FEPC deliberations	July 1	22
Information Retrieval			Yttrium-nodular-iron alloy	Dec. 9	27	District 50 plagued by internal dissension	Nov. 11	34
Desk-sized information retrieval system	Sept. 2	32	Isocyanates			Dominion Rubber employees get pay hike	Sept. 16	74
Seeking new ways out of the literature clutter	July 8	75	Allied plans West Coast unit	July 8	17	Dow Chemicals' salaried employees may earn cash awards	Dec. 2	62
- letter	July 22	7	Du Pont's Chambers Works gets pay hike	Aug. 26	23	Dow Metals Products' settlement	Nov. 18	162
Inhibitors - Paraffin inhibitor	Nov. 4	52	French plant to be built by Du Pont and Kuhlmann	July 8	17	Du Pont's Martinsville, Va. employees get pay increase	Sept. 16	74
Ink			Ireland gets first plant	Aug. 26	23	Du Pont's Niagara Falls, N.Y. employees reject International Assn. of Machinists	Dec. 2	62
Borden forms specialty ink division	Dec. 30	12	Isophthalic acids - Production	Dec. 2	78	EEC takes first step toward creating free labor flow in Europe	July 1	48
Marking system called All Mark	Sept. 9	86	Israel			Eastman Kodak wage dividend to employees	Dec. 2	62
Inorganics - Shipments registered another gain in '60	Nov. 25	117	Dead Sea Works plans \$70-million expansion program	July 22	30	Employees at 12 Niagara Falls, N.Y., companies forego wage increases	Oct. 28	54
Insect repellent	Oct. 21	54	Magnesite venture planned	July 8	25	Employment rose slightly in August	Sept. 23	43
Insecticides			Vinyl chloride project	Oct. 21	26	Fibreboard Paper wins suit against United Steelworkers of America	Nov. 25	31
Agriul emulsifiers help form insecticidal solutions	Nov. 25	88	Italy			Goodyear Tire & Rubber - new contract at Niagara Falls	Dec. 16	130
Antimetabolite compound deceives insects to death	July 29	46	Chemical production	Dec. 30	58	Greenfield, Samuel Co. new contract	Dec. 16	130
Bumper insect crop boosts insecticide sales (chart & table)	July 22	95	Dialdehyde starch venture	Oct. 21	26	Gulf Oil reinstates 103 workers in Philadelphia	Oct. 7	127
"Compilation of Economic Poisons (Pesticides) Laws" - new edition issued	Aug. 5	142	Milan's CPI - Behind the news	July 1	5	Hercules Powder (Canada) contract	Dec. 30	63
Egypt wants cheap, simple spray for cotton worms	Oct. 21	71	Phenol-acetone venture	Sept. 9	41	Higher minimum wages	Dec. 9	34
Ethyl parathion and methyl parathion - prices	Dec. 23	46	J			Hooker revises arbitration board	Aug. 19	70
Federal control will be extended	Dec. 30	57	Jamaica - Fertilizer project	Sept. 30	25	Hooker's Durez Plastics Div. employees suing union	Dec. 16	130
Gyflure moth attractant - field tests begin	July 29	46	Japan			ICWU asks assistance in planning union mergers	Nov. 4	46
Parathion ban in Tampa, Fla.	Sept. 16	78	Acrylonitrile producers are trying to curtail increasing imports	Nov. 25	121	ICWU charged with failure to pay strike benefits	July 8	28
Producers must move fast, plan carefully to get share of market	Sept. 23	101	Acrylonitrile producers request duties on U.S.-made imports	Nov. 11	96	ICWU school trains labor organizers in "soft sell"	Nov. 1	46
Sales of U.S. pesticides hit record	Dec. 16	118	Catalysts venture	Oct. 14	33	ICWU wins election at International Minerals Chemical	Nov. 18	160
Savin and Ethion cleared	Dec. 9	33	Chemical industry moves to modernize - shift to petrochemicals (table)	Dec. 2	26	Impact of imports and exports on American employment - Viewpoint	Sept. 2	7
Instruments			Duties on naphtha for petrochemical use should be removed	Dec. 16	25	Inco accused of violating labor relations legislation by refusing to open negotiations for a new contract	Dec. 9	34
Digital converter called the Discon	Sept. 30	36	Dye industry reports export sales to southeast Asian countries	Dec. 2	30	Intermountain Chemical soda ash plant workers approve contract	Dec. 30	63
Instrument pen called Mark-Trol	Nov. 4	172	Equipment makers boost sales	Sept. 23	84	Job-sharing plan turned down at Parke, Davis	Sept. 30	48
Optical masers - crystal research opens door to solid-state devices	July 15	53	Exports push	Oct. 7	26	Longshoremen battle chemical unions in labor hassle	Nov. 4	70
Optical masers - neodymium in calcium tungstate, new solid-state maser material	Oct. 21	72	Graphite fiber venture	Oct. 7	57	Longshoremen win election at Vegetable Oil Products	Nov. 18	160
Optical masers - ruby laser put to work as light source	July 29	45	Industrial profits show squeeze	Oct. 21	32	Management weighs anew the high costs of labor peace	Sept. 2	34
Pollution control authorities look for better instruments for analyzing plant waste streams (table)	Sept. 16	85	Montecatini negotiates three more polypropylene licenses	Nov. 4	160	Merger of four principal AFL-CIO unions proposed (table)	Oct. 7	30
Radioactive reactors inspected with ribbon-shaped probe	July 8	57	New force in world engineering (table)	Nov. 25	66	Merger of two districts of OCAW	Dec. 2	62
Ultrasonic ball-point pen	Sept. 16	88	- letter	Dec. 30	5	Military buildup triggers CPI manpower polls	Aug. 12	56
Water analyzers	Sept. 30	38	Paint industry brushes up on market potentials in the U.S. and Canada	Sept. 9	100	Montano settlement at El Dorado, Ark.	Oct. 7	127
Insulation			Paper company will be joint venture of Scott Paper and Sanyo Pulp	Sept. 30	23	Mountain Copper pay hike	Sept. 16	74
CPI hunts cheaper ways to insulate and wrap plant piping (table)	July 1	60	Petrochemical producers want to boost exports	Oct. 28	24	NLRB advocates more court injunctions to stop alleged unfair labor practices by employers	Nov. 18	159
- letter	July 29	6	Petrochemical production on rise	Dec. 30	58	NLRB files complaint against Virginia Carolina	Nov. 18	160
Electrical insulating varnishes	Sept. 30	62	Phthalic producers who buy U.S.-made o-xylene are running into rough marketing problems	Oct. 18	81	New agreements - roundup	Nov. 11	53
Miter-Seal, new technique in applying jacketed pipe insulation	Aug. 19	62	Polyethylene production forecast	Sept. 2	29	New contracts - roundup	Nov. 4	70
Insurance			Polystyrene plant planned	Dec. 30	40	Nondiscriminatory hiring: CPI's record wins plaudits	Oct. 21	77
AID is taking applications for foreign-investment guarantee program	Nov. 25	102	Processes licensed to foreign firms in '61	Oct. 21	64	Morton Co. of Canada two-year contract	Dec. 2	62
Export credit insurance plan: boon to U.S. chemical companies	Nov. 18	33	Resumes chemical trade with Red China	July 8	84	OCAW pushes merger with ICWU	Dec. 16	130
NASA contractors will get indemnity coverage	July 22	104	U.S.-Japanese licensing deals	Oct. 21	32	Pattern of chemical business in '61 - report (charts)	Nov. 4	107
Intermediates			- letter	Nov. 18	7	Pittsburgh Plate Glass Co. new contract	Dec. 16	130
Adipic acid price cut boosts use as intermediate (chart)	Sept. 23	95	Jordan - Potash project	Nov. 18	18	Prescription wins new favor as route to labor peace	Oct. 7	117
Large-ring compounds make their bids (table)	Aug. 5	93	K			Pulp and paper companies - proposed minimum wages for federal contractors	July 1	22
Organic intermediates	July 15	72	Korea - Fertilizer contract	Dec. 16	118	Pure Oil refinery workers accept contract	Dec. 30	63
Steroid intermediates	July 15	72	Krypton - Cryogenic gases - report (charts & table)	Oct. 14	55	Roane Electrical Furnace accused of discriminating against union employees	Dec. 9	34
International Aerosol Congress - European aerosol picture	Nov. 11	89	Kuwait - Petrochemicals project - yearly output figures	July 15	26	San Francisco Chemical wage agreement	Dec. 30	63
International Chemical Workers Union - New school trains labor organizers in "soft sell"	July 1	46	L			Scott Paper Co. pay increase	Sept. 23	36
International Conference on High Magnetic Fields - Supermagnet materials discussed	Nov. 18	175	Labeling			Settlements - roundup July 1-48, July 8-28, July 22-104	Nov. 25	30
International Cooperation Administration - see Agency for International Development			CPI says no to new labeling rules	July 22	25	Shell's wage agreement at Deer Park, Tex.	Aug. 12	57
International Union of Pure and Applied Chemistry - Macromolecular Symposium	Aug. 26	69	FDA eases rules for labeling of hazardous items	Aug. 19	29	Social Security changes augur new CPI pension plans	Aug. 26	59
Interscience Conference on Antimicrobial Agents and Chemotherapy - New bacteria fighters highlight New York meeting	Nov. 11	106	Federal Hazardous Substances Labeling Act			Spencer Chemical's pay increase	Sept. 16	74
Interstate Commerce Commission - Restrictions on chemical and petroleum truck operations	Dec. 16	45				Spencer Kellogg reduces staff at Buffalo, N.Y.	Nov. 25	30
Inventories						Standard Ultramarine and Color Co. contract	Dec. 16	130
Commerce Dept. survey says manufacturers expect boost in fourth-quarter sales and inventories	Oct. 21	43				Statement	Nov. 4	74
						Steel and auto unions organizing moves	Aug. 5	106
						Stock option plans are object of Senate probe		

Suggestion systems gain favor in CPI (table)	Aug. 19	67	patent case	Dec. 23	17	labor peace	Sept. 2	34
Thiokol Chemical Longhorn Div. - wage increase	Dec. 2	62	Moroccan fertilizer project scandal	Oct. 21	22	CPI preaching practical politics in the plant	Dec. 9	31
Unions build new body of precedent on transfer and seniority rights	July 22	28	Moroccan fertilizer scandal leads to second suit	Nov. 11	25	Community relations get boost from novel newsletters	Oct. 28	53
Unions may be liable for unsound advice given their members during strikes	Aug. 5	104	Paint producer's selling methods under FTC attack	Nov. 18	40	Don John V.N. bows out of Dom-Oliver	Aug. 5	48
U.S. Rubber Reclaiming workers covered by new two-year agreement	Aug. 19	70	Parathon ban in Tampa, Fla.	Sept. 16	78	Du Pont's Wallace Gordon is new chief of Industrial, Biochemicals Dept.	Nov. 25	26
United Steelworkers of America claims victory in drive to oust rival union	Dec. 2	62	Penn-Olin sodium chlorate case	Nov. 11	18	Employee retraining - CPI proves that industry can do the job	Sept. 30	43
Wage agreements - roundup	Aug. 5-106, Oct. 28-54	32	Penn-Olin sodium chlorate case - defense presents case (tables)	Nov. 18	13	GAF's new president is John I. Snyder, Jr.	Oct. 14	32
Wage increase rate is slowing	Oct. 21	44	Pennsylvania has barred the manufacture and use of 8-napthylamine	Dec. 2	62	Houston Chemical's new chief is Daniel I. Sargent	Nov. 25	24
Wages - union leaders concerned by efforts to hold down wage increases	Oct. 21	44	Photostat charges Klondex with unfair competitive practices	Nov. 25	31	Liberal arts gain new favor in management training (table)	Dec. 23	27
Lamps - Incandescent lamp is brighter, longer-lasting	Aug. 19	77	Polyethylene patent suit settled, firms to exchange rights	Sept. 2	27	MCA meeting probes industry-government friction	Dec. 2	61
Latex			Polio suits - Cutter's insurance coverage wiped out by latest verdict	July 15	27	Military buildup triggers CPI manpower polls	Aug. 12	56
Antiflake paint latex	Sept. 16	54	Procter & Gamble asks court to set aside FTC order for antitrust hearing on acquisition of Clorox Chemical	Dec. 2	22	Nondiscriminatory hiring: CPI's record wins plaudits	Oct. 21	77
FDA approves Latex 630 and S-3352 for prolonged use in contact with food	Oct. 21	56	FTC procedure is real target of suit	Dec. 9	47	Nypac expands in photographic and pharmaceutical chemicals	Dec. 9	29
Plate heat exchangers pay off in latex processing	July 22	52	Salt case - Dayton, O. cancels rock salt purchase agreements	Sept. 16	76	Prioritization wins new favor as route to labor peace	Oct. 7	117
Synthetic latex binders for paper win new markets	Sept. 9	79	Texize Chemicals, Inc. wins damage suit	Dec. 2	62	P&G's route to corporate data processing profits (chart)	Sept. 23	27
- letter	Oct. 21	7	U.S. Sulphur's ex-president charged with embezzling company funds	Oct. 14	26	Product information centers pay off many ways	Sept. 16	73
Latin America			Virginia-Carolina files answer to phosphate land deal suit	July 1	18	Radiation fallout threat spurs CPI emergency planning	Oct. 14	38
CPI is getting a large share of development loan funds from Inter-American Bank	Oct. 28	32	Virginia's fair-trade law upheld	Oct. 21	44	Sizing up European distribution	Dec. 16	37
Crisis in Latin America - report (charts & table)	Aug. 5	63	Weed-killer suit settled	Sept. 23	34	Social Security changes augur new CPI pension plans	Aug. 26	59
Fertilizer picture (map and table)	Dec. 23	52	Lead			Stock issue plans - spelling out hazards of going public	Dec. 30	60
Intero drives for fertilizer market	Dec. 16	110	New process recovers zinc and lead simultaneously	Oct. 21	66	Stock option plans are object of Senate probe	Aug. 5	106
No easy Latin solution - Viewpoint	Aug. 5	5	Vielite-Montagne blends lead slag with zinc sludge and wins by-product bonanza	Sept. 30	66	Stock options' good points outweigh the bad - Viewpoint	Nov. 4	5
Laundry machine washes, rinses, dries and irons in one automatic operation	Dec. 23	25	Leak Detectors			Suggestion systems gain favor in CPI (table)	Aug. 19	67
Lead			Halide leak detector	Nov. 25	96	Technical speakers bureau launched	Dec. 16	129
Abbett wins "fair trade" injunction against G.E.W., Inc.	July 22	107	Sensitive pressure gauges are key to leak-detecting process	Nov. 25	70	Union Carbide plastics names new president	July 22	29
Ammonium nitrate plant designer seeks to protect secret information	Nov. 18	159	Leather - Synthetic leather	Dec. 9	101	Union Carbide reinforces top-level financial management	Dec. 9	27
Antibiotics antitrust case defendants enter plea of not guilty	Sept. 16	28	Lebanon - Ammonia plant plans dropped	July 15	103	U.S. Sulphur's ex-president charged with embezzling company funds	Oct. 14	26
Antibiotics makers indicted again	Aug. 26	17	Lignin			Virginia-Carolina names new chairman of the board	Aug. 19	18
Aries, R.S., industrial consultant, faces lawsuits in U.S. and Switzerland	Nov. 25	23	Tires from wood: lignin SBR tires pass use tests; production's still a hurdle	Sept. 16	106	Virginia-Carolina stockholders vote on executives	Sept. 30	17
Assets "vast conspiracy"	Dec. 16	21	Vanillin process yields lignin as by-product	Sept. 16	103	Virginia-Carolina's new chief: C.T. Harding	Dec. 30	10
CPI swings to arbitration to settle disputes	July 8	26	Lime - Acquisitions highlight lime producers activities	Nov. 4	45	Your hidden resources - Viewpoint	Sept. 16	5
CSMA issues new edition of "Compilation of Economic Poisons (Pesticides) Laws"	Aug. 5	142	Lithium			Manganese - U.S. firm and French firm have data deal	Aug. 19	26
Carbide must dispose of Visking operation	Nov. 4	37	Lithium Corp. moves into glass market via borrowed sales force	Sept. 30	103	Manpower, technical		
Carbide appeals order	Dec. 30	8	Ultracure lithium metals and compounds unveiled	Aug. 12	65	CPI retraining workers to meet demands of automated plants	Sept. 30	43
Carbide-Visking PE film decision is not likely to stem vertical integration trend (table)	Nov. 4	41	Lithium hydroxide - Prices	Sept. 23	90	Competition for scientists and engineers may increase	Dec. 23	20
Carbon dioxide price fixing suit	Dec. 23	13	Lithium hydroxide monohydrate - Canadian firm enters field, will compete with U.S. marketers	Oct. 14	123	Engineering enrollments decline	Dec. 16	96
Contempt-of-court case Sept. 16-78, Nov. 25-78, Dec. 2-79	Dec. 30	10	Louisiana - Utility rates cut in hopes of drawing new plants to area	Nov. 18	15	Military buildup triggers CPI manpower polls - letters	Aug. 12	56
Companion civil suit	Dec. 30	10	Lubricants			NASA recruiting drives for 2,000 scientists and engineers	Sept. 2-12, Sept. 30-9	
Chevron charges Airco with breach of contract	July 15	23	Air-drying solid film lubricant called Electrolube	July 29	42	NSF survey - need for scientists and engineers by '70 has been revised upward	Dec. 2	31
Colorado awards maximum allowable in death of uranium miner	Nov. 25	31	Air Force reports on space-age lubricants research (table)	Sept. 30	83	Pay increases for government scientists and engineers	Dec. 9	47
Cutter polio vaccine settlements	Nov. 25	31	Aluminum lube called Striplube	Oct. 21	52	Salesmen - overseas sales jobs are a growing problem to CPI	Sept. 9	72
Delaware refinery blocked by local residents	Sept. 30	48	Fluorosilicone fluids and greases	Sept. 23	59	Salesmen's salaries - survey	July 15	40
Downward complaint filed with FTC	Sept. 16	71	Fluorosilicone lubes for rugged plant applications	Sept. 30	36	Social Security changes augur new CPI pension plans	Aug. 26	59
Downward radiator coolant suit nears disposition	Sept. 2	22	Liquid graphite lubricant	Dec. 9	85	Technical speakers bureau launched	Dec. 16	129
Drug group fined for price fixing	July 8	34	Molybdenum E. combination of Teflon fluorocarbon and molybdenum disulfide for lubrication	Nov. 11	79	Manufacturing Chemists' Assn.		
Drug patent bill - pros and cons	Nov. 18	159	Thin-film research leads to novel dry lubricant system	Dec. 30	48	Meeting probes industry-government friction	Dec. 2	61
Drug suit filed by Warner-Lambert against Goldman Pharmacy	Dec. 9	33	Magnets			Metal makers' stand on barter procedures	July 8	28
Drugs - California proposal would take the responsibility for prescribing possibly dangerous drugs out of the hands of individual physicians	Dec. 9	33	M.I.T. researchers produce continuous magnetic field	July 22	76	Materials Handling		
Du Pont-GM case - divestiture plan sought July 1-18, Sept. 16-29	Oct. 14-31	51	Powerful new magnets spur "high field" research	Nov. 25	51	Boom called Powered Pipe moves fluids from docks to tankers	Nov. 4	131
Du Pont-GM case - new legal maneuvers could start avalanche of private suits	Nov. 4	43	Powerful superconducting magnet developed	Sept. 30	79	Canadian rules to regulate transportation of radioactive materials on highways	Dec. 9	42
Du Pont-GM case - tax-easing bills July 29-19, Aug. 5-61, Aug. 26-30, Sept. 2-32, Sept. 16-48, Sept. 23-44	Oct. 7	45	Vanadium-gallium, new supermagnet material	Nov. 18	175	Daily for moving cans, tubs and bins	Oct. 28	97
Du Pont "misappropriation of secret processes" suit against Von Kohom Dec. 9-17	Dec. 16	21	Maine - Predicts slow but steady growth for local chemical manufacturing	Sept. 9	39	Drum handling	Dec. 2	65
Von Kohom countersuit	Dec. 30	11	Maintenance			Massachusetts Institute of Technology - Superconducting magnet research	Nov. 25	51
Extension of mineral leasing rules	Dec. 2	62	Epoxy resins cut maintenance costs	Nov. 4	170	Membranes		
"Fair trade" law gets push in Senate	July 22	36	Purple martins roost on pipe stills at Baton Rouge refinery	Aug. 19	60	Inorganic membrane for use as an electrolyte in fuel cells, saline-water conversion	Oct. 7	84
FTC confidential company information case Oct. 14-52	Dec. 23	18	Radioactive measuring devices locate line and equipment blocks	Nov. 4	170	Pemion, new line of ion-exchange and permselective membranes	Sept. 23	50
Fertilizer industry target of grand jury probe (tables)	Dec. 30	9	Maleic anhydride			Mercury - British prices drop as Chinese mercury floods market	Nov. 11	96
Florida rules on disposal of pesticide containers	Nov. 18	159	FMC marketing Petro-Tex's maleic anhydride	Dec. 2	68	Metals		
Florida state agency charges private firm with pollution of natural resources	Aug. 26	60	New applications emerging from the research (table)	Dec. 2	75	Air Force reports on space-age metals research (table)	Sept. 30	83
Fluoridation of city water voted on by seven cities	Nov. 25	31	Prices	Nov. 25	105	Dodecyl alcohol reduces stress cracking of metals	Sept. 23	59
Fluoride hassle between Reynolds and cattle rancher	Nov. 25	31	Management			Major metals boom buoys '62 chemical sales outlook (chart)	Sept. 30	21
GAF case - Justice Dept. recommends sale of government-owned stock	Sept. 30	31	AFL-CIO convention of key interest to CPI management and its future dealings with organized labor	Dec. 16	46	Metal finishing entry	Dec. 9	88
Hanford charges Carbide with breach of confidential relations	July 15	23	Boardsroom beckon "outside" directors	Sept. 30-22, Nov. 4-162		Refractory metals coatings research (table)	Oct. 7	89
Helene Curtis hit by several lawsuits	Nov. 18	17	Bayer names Kurt Hansen to top job	Sept. 30-22, Nov. 4-162		STAP - new process keeps metals strong at near-melting point temperatures	Sept. 2	39
ICW charged with failure to pay strike benefits	July 8	28	Bryton Chemical's cure for "marketing myopia"	Dec. 2	64	Ultraviolet light is key to novel process for making ultracure metals	Sept. 16	109
Illinois tax suit - Olin wins new hearing	Nov. 18	14	Chemical realigns top management	Nov. 11	39	Wes-Chek, new dye system for nondestructive detection of flaws in metals	Nov. 11	92
Insecticide suit	July 22	104	Chemical industry is back on track to better earnings, Wall Streeters say	Dec. 16	22	Meters		
Insecticides cleared by USD	Dec. 9	33	CPI companies swing to arbitration to settle disputes	July 8	26	Portable potentiometer	Aug. 5	56
Kefauver hearing - Name sum in drug-law bill	Dec. 16	24	CPI firms weigh anew the high costs of			Portable potentiometer-pyrometer	Nov. 25	96
Labeling laws see under Labeling						Pressure mounts for plastic gas meters	Nov. 11	87
Labor unions may be liable for unsound advice given their members during strikes	Aug. 5	104				Methane		
Labor unions build new body of precedent on transfer and seniority rights	July 22	28				British venture may open methane source for gas-starved northern Europe	Nov. 25	25
Minnesota Mining and Mfg. wins vinyl tape						Cryogenic gases - report (charts & table)	Oct. 14	55

Odor-free, water-thinned acrylic-latex paint for submarines	Nov. 25	76	foreign firms	Sept. 30	17	Von Heyden-Chemiebau process to be used at new West Coast plant	Aug. 12	45
Primer for all exterior wood surfaces	Dec. 16	32	Spanish petrochemical plans dropped by Jersey Standard	Oct. 28	18	Pigments - Pearl pigment powder	Nov. 4	52
Producers seek cure for marketing maladies (table)	Nov. 18	25	Study of U.S. petrochemical capacity is in the offing	Aug. 12	25	Piping		
Robot painter	Aug. 5	100	Technical committee formed, will survey industry	July 8	44	Alberta-California natural gas pipeline opened	Dec. 23	46
Self-thickening latex paint due soon	Sept. 30	80	Tenneco and Cary Chemical put together petrochemicals-plastics combine	Dec. 23	16	Asphalt coating and primer for pipes	July 8	54
Silent Guard, new paint deadens sound	Nov. 25	88	Union Oil acquires more land at Geismar, La. Vertical integration in petrochemicals	Nov. 4	44	Caltech develops process for carbon-extended plastic pipe	Dec. 23-37	40
Stabilized methylene chloride aims for use in pressurized paints	Oct. 28	67	Yugoslavia plans first plant	Dec. 2	24	CPI hunts cheaper ways to insulate and wrap plant piping (table)	July 1	60
Pakistan			Petrochemical	Sept. 23	18	Cryogenic piping	Oct. 28	92
Detergent plant planned	Nov. 4	47	Catalyst-cleaning process uses ion-exchange principles to remove metallic poisons	Dec. 9	93	Delaware Valley pipeline to supply nitrogen and oxygen to chemical plants in area (map)	Aug. 26	23
Parke, Davis opens pharmaceuticals plant	Nov. 25	27	Cracking process upgrades reduced crude and vacuum residues from distillation units	Oct. 21	68	Iron ore shipments by pipeline considered	Aug. 19	78
Polyethylene plant to be built by two German firms	Sept. 30-25, Oct. 21-32		Demand will rise about 5%/year through '65. First all-gas turbine cat cracking plant in the U.S.	Nov. 25	121	New method for connecting plain-end pipe and fittings with Plainlock Couplings	Nov. 4	172
Paper			H-Oil process's expected hydrogen consumption	Dec. 30	52	Ohio natural gas pipeline extension approved by FPC	Sept. 9	33
Acrylic "paper" developed	Nov. 25	75	Indian government's new oil product pricing rules controversy	Dec. 16	94	Ozone activation brings carbon black bonus to polyethylene pipe	Dec. 23	36
Additive called Peeramid M-18	Dec. 23	25	LPG makes news: (1) more coming from Canada; (2) four producers acquired	Dec. 9	36	Pipe saddle	Sept. 30	38
Brazilian paper boom	July 15	25	Marathon International and Wintershall AG oil refinery at Mannheim, West Germany	July 29	16	Propane pipeline to be built in Texas	Sept. 17	17
Chlorine makers look to paper industry for future growth (charts)	Aug. 5	45	Mississippi grants concessions to builder of proposed refinery	Dec. 2	30	Sulfite pulp carrying line	Dec. 30	52
Coated papers roll up gains for synthetic latex binders	Sept. 9	79	Mississippi legislature approves refinery plans	Sept. 16	76	Yoloy steel pipe	Oct. 21	110
Computer moves in on papermaking process to tighten control, cut costs	Nov. 25	94	Mississippi refinery - planning and design work under way	Nov. 18	9	Plant Location		
Copolymer resin improves dry strength of paper	Sept. 2	51	Mississippi will get proposed \$125-million refinery	Aug. 26	17	Alabama beckons the CPI - letters	Sept. 16	8
Dualator mixer improves debarking of difficult-to-resulp paper stock	Nov. 4	168	Oil companies move to launch new refinery, petrochemical projects	July 22	29	Bushy Park Industrial area, Charleston, S.C. site of proposed nitrogen plant	Dec. 30	7
Japanese venture of Scott Paper and Sanyo Pulp	Sept. 30	23	Spanish government to acquire 50% of Cia. Iberica de Petroleos	Dec. 16	25	Charlotte, N.C. - specialties boom town of the Southeast (table)	Nov. 4	48
Maine's paper industry - forecasts	Sept. 9	39	Thermal recovery process gets crude oil from sands	Oct. 21	66	Chemical producers quickstep southward (tables)	Aug. 5	103
Nuclear process steam may get a tryout in paper industry	Aug. 12	46	Phenol	Aug. 5	38	Dallas - more CPI on its skyline? (map)	Sept. 9	115
Optical brightener for paper applications	Nov. 19	159	Allied-Georgia-Pacific venture off	Aug. 12	54	Geismar, La. enjoys petrochemical boom (map)	Nov. 25	25
Paper specialties challenge - report (tables)	July 15	79	Canadian producer may export phenol to Japan	Dec. 16	112	Johnsonville industrial park area, Tenn. plants considered	Dec. 30	8
Sodium borohydride bleaching of pulp and paper	Sept. 16-64, Dec. 2-57		Indian plant planned	Aug. 12	54	Louisiana, western Canada look at state utilities to lure chemical plants	Nov. 18	15
Typing aids: Over-Type correction paper and Over-Type type cleaner	July 8	96	Phenol via direct oxidation of benzene may now be feasible	July 1	44	Portland, Northwest specialties hub (table)	Oct. 14	31
Waste paper treatment system installed by Scott	Nov. 25	70	Prices	Dec. 23	45	Union Oil acquires site at Geismar, La. Waterside projects have increased	Nov. 4	44
Patents			Prices set in drive for plywood adhesives market (chart & tables)	Aug. 19	92	Plants		
Acetal resins infringement suit involves Du Pont and Japanese company	Dec. 23	39	West Coast capacity will soon be more than adequate	July 29	10	CPI plant building rises steadily after third-quarter lull (table)	Oct. 14	31
CPI opposes bill to restrict patents on new drugs	Oct. 28	31	Phenolic acids - mixture of phenolic acids in form of sodium salts	Dec. 2	53	Classification plant	July 1	38
Drug patent bill - pros and cons	Sept. 23	5	Phenyl isothiocyanate - available in commercial quantities	July 29	29	Improved design techniques speed plant construction schedules	Aug. 26	50
Drugs - Why kill drug patents? - Viewpoint	Sept. 23	5	Phosphorus			Plastic Film		
Minnesota Mining and Mfg. wins vinyl tape patent case	Dec. 23	17	Collier Carbon & Chemical bids for offshore lands lease	Dec. 30	8	Canada has new polyolefin packaging film maker	Sept. 16	94
Polyethylene patent suit settled	Sept. 2	27	Deep-water dock facilities eliminate trans-shipment costs	Dec. 16	42	Canada's plastic film industry shifts into high gear	Oct. 21	40
Rubber patent case - British approve	Sept. 9	89	Diammonium phosphate expansion by INC	Nov. 11	95	Cellophane and plastic film makers compete for packaging market	Oct. 21	97
General's oil extended rubber claims	Sept. 9	89	Diammonium phosphate plant to be built in Canada	Aug. 12	18	Du Pont and Carbide join in marketing polyethylene film in Canada	July 29	56
Rubber patent bill - Swedish patent office supports General Tire's claims	Aug. 19	26	Idaho phosphate venture of INC and Husky	Nov. 4	45	Enjay's and Carbide's plans for PE and polypropylene film production	Oct. 28	17
Russia - Inside Russia's patent system - Dimension	Dec. 16	102	Idaho reserves to be developed by INC and Husky Oil	Nov. 11	17	Neat film, called Vitafilm ST, for packaging frankfurters	Sept. 9	86
Russian technology available to U.S. companies	July 22	27	North Carolina to develop large phosphate reserves	Oct. 28	23	Methyl cellulose film - Aquafil negotiates for Dow's business	Oct. 21	51
Soviet-bloc patents and process licenses offered to U.S. companies	Dec. 16	101	Nuclear heat to dry phosphate rock - feasibility study	July 1	43	Packages view new plastic film developments	Nov. 25	38
U.S. Patent No. 3,000,000 issued	Sept. 30	88	Prices	Aug. 26	66	PE compound designed for extruded industrial packaging film	Dec. 9	102
Urethane foam industry hustles to clear up patent worries	Oct. 21	21	U.S. phosphate rock production increased in '60	July 22	99	Polyester film price cut	Dec. 30	57
Penicillin			Virginia-Carolina files answer to lawsuit on phosphate deals	July 1	18	Polyethylene film picture recast by rash of vertical integrations (table)	Nov. 4	41
Oral penicillin called Prostaphilin	Oct. 14	98	Phosphoric acid			Polyethylene film price up in Germany	Dec. 30	57
Semi-synthetic penicillins	Nov. 11	106	Moroccan phosphoric acid plant contract awarded to Krebs	Dec. 23	14	PVC packaging film called Resinex VF-70	Sept. 16	93
Pennsylvania State University - Molybdenum Corp. renews rare-earth metals research program	Nov. 4	92	Salt chemical complex withdraws Don-Oliver contract	Dec. 16	110	Tea-Pak's saran packages for prepacked fresh ground beef	Dec. 9	40
Pentachlorophenol - Canada - two firms begin production	July 22	92	Phosphorus			Water-soluble potato starch film nears commercial debut	Oct. 21	51
Perchloroethylene - Austrian firm enters field	Sept. 30	93	Petroleum coke looks for work in Western phosphorus furnaces	Aug. 12	46	- letter	Dec. 2	7
Perfume - German fragrance maker spurs U.S. selling drive	Dec. 2	47	Rotating electric phosphorus furnace construction under way	Dec. 2	58	Plasticizers		
Perlite - Filter-aid markets growing steadily at home and abroad	Aug. 12	33	Photography			Adipic acid consumption by plasticizers industry (chart)	Sept. 23	95
Peroxides - Organic peroxides cash in on growing use in plastics (table)	July 22	39	Contrast control system for developing and fixing black and white films	Sept. 2	49	Ester-type plasticizer	Sept. 9	86
- letters	Aug. 9-11, 13, Sept. 4-8		Graphic arts boom spurs research on dry printing-copying processes (table)	Dec. 23	42	Plasticizers for polyvinyl chloride	Sept. 30	62
Peru			Hypac expands in photographic and pharmaceutical chemicals	Dec. 9	29	Polar polymeric plasticizer called Harflex	Nov. 4	52
Ammonium nitrate fertilizer plant to be built by three German firms	Aug. 12	23	Technicolor develops into strong factor in home photo field	Aug. 19	35	Vinyl plasticizer called Flexol Plasticizer RK-1	Sept. 2	51
Merck Sharp & Dohme starts manufacturing operations at new Lima plant	Dec. 16	25	Phototypesetter	Nov. 4	56	Plastics		
Petrochemicals			Phthalate esters - Prices	Sept. 2-64, Nov. 4-139		Air Force reports on space-age plastics research (table)	Sept. 30	83
Allied and Union Texas will build complex at Geismar, La.	Nov. 18	9	Phthalic anhydride			Auto makers '62 predictions brighten plastics' outlook (tables)	Oct. 14	115
Allied Chemical-Union Texas merger stirs up speculation about petrochemical plans	Nov. 25	17	California Chemicals phthalic marketing plans are crystallizing	Oct. 14	124	British plastics sales hit new record	Sept. 9	100
Arabs seek cooperative approach to petrochemical development	Oct. 28	24	Japanese producers who buy U.S. made o-xylene are running into rough marketing problems	Oct. 28	61	CPI firms broaden plastic panel marketing programs	Aug. 5	152
Australia's petrochemical complex at Altona - first two units open	Dec. 2	42	Oronite will build plant on East Coast	Aug. 12	45	Canada's plastic foam industry is growing rapidly	Aug. 12	54
Canadian complex planned for Varennes, Que.	Aug. 12	22	Overcapacity looms as new projects pile up (table)	July 1	16	Construction market continues to grow	Aug. 5	118
Canadian petrochemical producers seek to keep LPG in Alberta	July 15	24	Prices	Aug. 26-65, Oct. 28-82		Construction market opens doors wider to plastics makers (table)	July 15	21
Geismar, La. petrochemical boom (map)	Nov. 25	25	Prices begin to tumble as supply-demand gap widens (chart & tables)	Sept. 2	71	- letters	July 29-6, Aug. 5-9	
Japan's petrochemical output goals (tables)	Dec. 2	26	Sherwin-Williams boosts capacity	Oct. 28	18	Construction men berate plastics industry for lack of information on products - letter	July 1	7
Japan wants to boost exports	Oct. 28	24	Stepan will build Puerto Rican unit	Nov. 4	38	Equipment purchasers turn to plastic parts	Nov. 11	85
Japanese production on rise	Dec. 30	58	Stepan will sell output from Puerto Rican venture	Nov. 18	10	German plastics boom is softer	Aug. 5	126
Jersey Standard puts more stress on chemicals (table)	July 15	109				Meters - pressure mounts for plastic gas meters	Nov. 11	87
Ohio Oil builds up petrochemicals business	Sept. 23	26				Nylon-base plastic called Tylorlon PN	July 29	29
Oil companies move to launch new petrochemical projects	July 22	29				Owens-Illinois Glass forms Plastic Products Div.	Dec. 16	40
Pacific Petroleum considering venture in Vancouver	Dec. 2	25				Packing manufacturers push new plastic packings (table)	Dec. 23	32
Plymouth Oil's new plant ready for full-scale production	Oct. 14	123				Peroxides cash in on growing use in plastics		
Puerto Rican oil company may plunge into petrochemicals	July 15	24						
Shawinigan Chemicals enters field	July 1	14						
Spanish complex planned by INI and several								

(table)	July 22	39	PE compound designed for extruded industrial packaging film	Dec. 9	102	Prices	Can we lick low prices? - Viewpoint	Aug. 26	7
Plastic die-casting material	Sept. 16	59	Polyethylene pellet depot	Dec. 23	35		FTC may take legal action against practice of "administered prices"	Sept. 30-9, Oct. 28-9	
Plastics pace new-products boom (table)	Sept. 30	98	Polyisoprene - trans-1,4-polyisoprene improved	Sept. 16	63		General price stability expected until mid-'62	July 29	19
Polyester-reinforced plastic surface for roadways	Sept. 30	24	Polymers				Needed: less price pressure - Viewpoint	Oct. 28	32
Polymer Market Abstracts - new marketing service	Nov. 18	176	Acrylic-vinyl terpolymer	Dec. 9	85		- letter	Nov. 25	5
Price cuts intensify competitive tensions	July 22	64	Coordination polymers research	Sept. 16	33		Purchasing men size up price problems (table)	Dec. 30	4
Production increases in '60	July 22	51	Ethylene-propylene copolymer imparts ozone resistance to synthetic rubbers	Sept. 23	53		Veteran industry observer sees many reasons for profit plight - Viewpoint	Aug. 12	59
Promoter formulations	Dec. 2	54	Membranes called Permion	Sept. 30	50		- letters	Sept. 30	7
Reichhold teams up with Brookpark, plastics dinnerware and panels maker	Aug. 12	20	New product developments (table)	Sept. 30	24			Nov. 4-6, Nov. 11-6, Nov. 25-7	
Research program on the use of gamma radiation under high pressure to produce polymers from nonpolymerizing monomers	Dec. 9	48	Perfluoromethyl oxetane polymers developed at Purdue	Aug. 5	99		Printing		
Tenneco and Cary Chemical put together petrochemicals-plastics combine	Dec. 23	16	Photopolymer from Du Pont	Oct. 21	64		Graphic arts boom spurs research on dry printing-copying processes (table)	Dec. 23	42
Thermoplastic packing for gas-liquid contact systems called Naspac	Oct. 14	98	"Polymer Market Abstracts" - new marketing service	July 22	64		Photopolymer printing process	Oct. 21	64
Toy sales bring cheer to resin makers	Dec. 23	16	Research organization formed	Nov. 4	88		Propane - Pipeline to be built by Texas Eastman	Sept. 23	17
U.S. plastics show tours Russia	July 22	32	Researchers spotlight new ways to make graft and block copolymers	Aug. 26	69		Propellants		
Plastics - Vinyl plastics - prices	Nov. 4	140	Soapproof polymers shine in floor polishes	July 22	79		ARS meeting featured new concepts in propellant production and use	Oct. 21	23
Plastics - Whirlpool plastic-coat process boosts filter press plates' life	July 8	48	Styrene-maleic anhydride copolymer prices	Nov. 25	105		Air Force firms plans for solid-fueled space booster to propel men to the moon	Sept. 30	31
Plating			Vinyltoluene copolymers called Vinibis	Sept. 2	49		Dyna-Soar program gets Titan-III C booster	Dec. 30	13
Gold plating process	July 1	38	Polyolefins				Encapsulation of solid rocket propellants - ARPA awards research contract	Aug. 26	56
Soviet automated process to plate metal with nickel	Dec. 16	97	Cabot develops process for carbon-extended plastic pipe	Dec. 23-37	40		Glass fiber girdles for assembling large solid-propellant rockets	Oct. 21	23
Zinc-plating process	Dec. 30	37	French process for cross-linking polyolefins and carbon black	Dec. 9	71		Hydrocarbon blends move into aerosol propellant marketing picture	Oct. 7	41
Platinum - Purchasing agreement	Dec. 9	99	Polyols - Urethane foam industry hustles to clear up patent worries	Oct. 21	21		Liquid fuels have an edge over solid fuels for moon-shot rocketry	Nov. 11	34
Plutonium			Polypropylene				Liquid rocket fuel makers in race to develop huge boosters for space missions	Nov. 4	46
AEC is recovering strontium-90 and cesium-137 from plutonium	Aug. 5	88	AviSun producing fiber on pilot-plant basis	Dec. 2	22		Lockheed takes over Grand Central Rocket in move to boost stake in solid propellants	Sept. 16	27
Powder metallurgy techniques applied to plutonium	July 29	39	Bi-axially oriented polypropylene film	Sept. 30	93		NASA booster program - contracts	Dec. 23-20, Dec. 30-13	
Plywood - Phenol producers eye price cuts in drive for plywood adhesives market (chart & tables)	Aug. 19	92	British firm builds polypropylene filament yarn plant	Sept. 23	18		Solid-fueled rocket booster	Dec. 16	45
Pneumatic computer debuts for analog process control (chart)	Aug. 12	48	Enjay and Stevens move closer to fiber production by acquiring National Plastic Products	Sept. 2	22		Solid-fuels move up in space race (table)	Aug. 26	21
Poliomyelitis			Film makers aim sales pitches straight into cellophane packaging market	Oct. 21	97		Space propulsion systems - progress report (table)	Sept. 9	105
Cutter's insurance coverage wiped out by latest polio liability verdict	Nov. 25	31	Film prices	July 1	51		Storable liquid propellants pushed for use in ICBM missiles	July 1	21
PHS licenses Pfizer to produce Type I polio vaccine	July 15	27	Fluorescent brightener for polypropylene called Blanocolor MO-89	Nov. 4	51		Propylene		
Sabin vaccine wins support in Great Britain, U.S.	Aug. 26	29	Japanese plant going onstream	Oct. 7	106		Cities Service will build purification plant at Lake Charles, La.	Nov. 11	18
Type-2 oral vaccine license issued, Type-3 license still some months off	Nov. 4	44	Modified polypropylene	Sept. 30	93		Sun Oil expands, becomes largest producer in U.S.	Oct. 7	25
Polishes			Plaskon polypropylene marketing plans	Oct. 7	25		Propylene oxide - Wyandotte plant to be built by Fluor-Singmaster & Breyer	Nov. 25	18
Acrylate monomer for floor polish formulations	Sept. 16	59	Radiation-grafted polypropylene may be key to new nonwoven felt	Nov. 25	76		Proteins		
Floor polish formulations undergo major changes	July 15	75	Reseller tie-ups: new plastics marketing pattern - letter	July 22	14		Fertilizer-grade ammonia converted into protein for poultry feed supplement	Nov. 11	73
Floor polish makers introduce new acid soluble products	Aug. 19	36	Reselling: key to polypropylene balance (chart & tables)	Nov. 11	100		Vegetable protein forms heat-reversible gel	Sept. 16	52
Soapproof polymers shine in floor polishes - letters	Aug. 12-7, Aug. 19-11		Shrinkable polypropylene film to be marketed in U.S.	Oct. 7	25		Pseudocumene - Available in commercial quantities	Aug. 19	89
Sponge impregnated with cleaning and polishing compound	Oct. 21	52	Tufted carpeting debut	Dec. 16	118		Public Relations - Newsletters bolster CPI's community relations efforts	Oct. 28	53
Politics			Polystyrene				Publications - "Weatherman" newsletter helps SL Regis customers decide on marketing plans	Sept. 16	70
CPI preaching practical politics in the plant	Dec. 9	31	Brand Plastics' plant onstream; Amoco's venture shelved	Aug. 12	53		Puerto Rico		
Du Pont will permit political campaigning at plant gates	Nov. 11	53	Japanese plant planned	Dec. 30	40		Naphthalene unit planned	Oct. 14	25
Polyamide hardeners	Dec. 30	37	Prices - Sept. 16-7, Sept. 23-29, Sept. 30-94, Oct. 7-105, Oct. 14-124, Nov. 4-139, Dec. 16-117	Sept. 30	98		Oil company may plunge into petrochemicals	July 15	24
Polybutadiene			Polyvinyl acetate				Phthalic anhydride plant to be built by Stepan Nov. 4-38	Nov. 18	10
France's first cis-polybutadiene unit planned	Sept. 16	17	Emulsion prices	Sept. 9	99		Pulp		
cis-4-polybutadiene pushed for use in tires	July 15	104	National Starch plans unit for Meredosia, Ill.	Oct. 28	18		Bagasse pulp process demonstrated by Crown Zellerbach	Aug. 5	88
Polyesters			Polyvinyl chloride				Czech wood pulping process uses methanol	Nov. 11	75
Flexible polyester resin	July 8	99	Borden: integrating both ways from PVC (table)	Aug. 5	47		Dualator mixer improves debarking of difficult-to-repulp paper stock	Nov. 4	167
Tires using polyester cords - researchers solve adhesion problem	Aug. 19	77	Cary Chemical's and Goodrich expansion plans	July 15	18		New process boosts high-density hydrogen peroxide pulp bleaching (table)	Sept. 23	81
Polyethers			Cary maps big expansion program	July 8	18		New system developed for detecting the interface in wood pulp bleaching	July 29	41
Allied may build West Coast plant	July 8	17	Chain-link fence coated with vinyl	Aug. 19	39		Pipeline to carry sulfite pulp	Dec. 30	52
Penton lined pipe, valves, fittings and pumps	Sept. 2	60	Film prices will be raised	Dec. 16	117		Semihydrolytic pulping cuts costs	Dec. 16	93
Polyether producer list grows as urethane demand surges (chart & table)	July 8	87	Portland: Northwest specialties hub (table)	Oct. 14	34		Sodium borohydride bleaching of pulp and paper	Sept. 16-44, Dec. 2-57	
Urethane foam industry hustles to clear up patent worries	Oct. 21	21	Potash				Sulfite pulping can compete vigorously against kraft processing	Dec. 23	40
Polyethylene			Canada's second big project in the works	Sept. 2	22		TVA says it has sites, resources for six more hardwood pulp mills	Sept. 9	39
Anti-dumping action against U.S. PE imports - three British firms file application	Nov. 18	10	Canadian potash expansion	Aug. 19	17		Pumps		
Bottle firm goes basic, will produce linear PE	July 15	25	Canadian potash projects move ahead	Sept. 30	23		All-tantalum pump	Dec. 2	58
British companies charge Italian firms with "dumping"	Dec. 30	11	IMC's Ware challenges gloomy market forecasts	Nov. 4	139		Archimedeon screw is basis of new type of process pump	Dec. 30	54
British firm requests antidumping legislation against U.S. PE imports	Sept. 16	94	Kernac's Carlsbad, N.M. project	Oct. 7	26		Canned pump	July 22	54
British prices slashed	Aug. 12	54	Optimism amid oversupply (chart & table)	Dec. 2	71		Canned pumps called Can-O-Matic	Aug. 19	62
Carbide-Visking PE film decision is not likely to stem vertical integration trend (table)	Nov. 4	41	Prospectors step up race to develop new ore findings (map)	Aug. 5	50		Fluid metering pump	Oct. 21	110
Composition-of-matter patent suit settled - "Dumping" charges spark controversy on both sides of Atlantic (charts)	Sept. 2	27	Utah prospecting rights farmed out to San Jacinto	Aug. 5	38		Gear pump called Helifem	Oct. 7	101
Electron-irradiated polyethylene may be subject to licensing	July 8	57	Potassium hydroxide - Argentine firm invites bids on 50 tons of potassium hydroxide	July 15	104		Glassed pump	Oct. 28	94
Emulsion of high concentration	Sept. 16	54	Poultry feed supplement	Nov. 11	73		Magnetic pump	Oct. 7	103
France slaps antidumping tax on polyethylene imports	Nov. 4	37	Power				Metering pump	Sept. 30	38
Germans seek to block dumping of U.S. polyethylene	Nov. 25	18	Delaware River Compact given green light by Administration	Aug. 26	30		Pogo Hi-Volume SS, new pump	Sept. 30	38
High-density polyethylene resins trio	Sept. 16	54	EI assures CPI of more power by '70	Sept. 23	26		Standards for pumps spotlighted at Chemshow	Dec. 9	113
Japanese forecasts for polyethylene production	Sept. 2	29	Louisiana, western Canada look at state utilities to lure chemical plants	Nov. 18	15		Purchasing		
Low-cost polyethylene - can it stabilize the market?	Dec. 23	34	Power amplifier	Sept. 16	88		AID reverses purchasing policy on fertilizer for U.S. aid-to-Korea program	Nov. 25	25
Molded linear-polyethylene six-bottle carbon for Coca-Cola	Dec. 30	57	Self-contained power source	July 22	54		Army Chemical Corps may lose some of its purchasing authority	Nov. 11	33
Ozone opens way to carbon black-filled polyethylene	Dec. 23	36	Slurred coal promises power cost reductions	Nov. 18	179		CPI purchasing procedures survey	Nov. 11	42
			TVA compiles figures on electric power consumption	Oct. 14	31		Fertilizer producers object to ICA purchasing policy	Nov. 18	37
			TVA's cuts in power rates not for big users	July 22	28		Peagoun considers centralized purchasing - Reciprocity and foreign buying - two major concerns of CPI purchaser (table)	Sept. 16	48
			"Unipolar" and "acyclic" dc generators may be answer to cheaper power	Nov. 11	83		Reciprocity ties the knot - letter	July 15	9
			Precipitators				Research and development purchasing - proper planning can clamp a lid on costs	Aug. 12	29
			Electrostatic precipitator improvements promise cheaper gas cleanup	Oct. 21	109		Purdue Research Foundation - Wabash Magnetics is first tenant at Purdue		
			Electrostatic precipitators eliminate red smoke leaving open-hearth stacks	Nov. 18	182				
			Electrostatic precipitator eliminates dust at Cyanamid's phosphate unit	Nov. 11	52				
			Pressure Vessels - Cold-stretching technique may produce lower cost stainless-steel pressure vessels	Sept. 2	57				

Industrial Research Park	Nov. 4	96
Purification - Zone freezing technique purifies organic chemicals	Aug. 5	88
Pyrochlore - Concentration process	Oct. 14	101

Q

Quality Control - Statistical engineers seek ways to cut quality-control testing costs ..	Oct. 7	97
Quartz		
Electrolytic treatment for making quartz suitable for crystals	Dec. 9	99
"Ultracure" fused quartz	Dec. 16	108
Quaternaries - Enkasan, new series of germicidal and algacidal products	Sept. 16	54

R

Radiation		
Antiradiation drug research enters intense new phase	Dec. 9	53
CPI probes new ways of protecting employees from radiation fallout	Oct. 14	38
Continuation of the Army's food irradiation program	Nov. 11	6
Electron accelerators gain as processing tool (tables)	Dec. 16	46
Food-irradiation prospects look more promising	Oct. 21	89
Gamma radiation unit at Albany, Ore. will be nation's largest	Nov. 11	80
Injections of pancreas hormones used in treating radiation-damaged tissue	Sept. 16	48
Japanese process makes acetate resins by gamma radiation	Nov. 25	76
Kentucky assumes control of state radiation safety rules	July 29	45
Textile processing via radiation moves ahead overseas	Aug. 26	29
Radiocativity		
Canadian rules to regulate transportation of radioactive materials on highways	July 15	75
Fallout - what the U.S. CPI is doing to counter its effect on chemical processes ..	Dec. 9	42
Radioactive measuring devices for quick location of line and equipment blocks	Dec. 2	81
Radiosotopes		
Fluid-flow measurement with radiosotopes ..	Nov. 4	170
Two new uses: (1) boundary markers, (2) dating merchandise	Oct. 21	72
Underwater seismographic station to be powered by radiosotopes	Nov. 25	75
Railroads		
CPI shippers shift to bulk handling by rails. ICC allows Lehigh Valley to transport cement by its trucks	Aug. 5	99
ICC findings on the Nov. 21 freight train tragedy at Poca, W. Va.	Sept. 16	67
New York Central's attempt to suspend less-than-carload shipments blocked ..	Sept. 16	68
Piggyback rate decision wins strong CPI support	Sept. 16	68
Sizing up European distribution	July 15	42
Rain repellent for aircraft windshields	Dec. 16	37
Rare Earth		
Rare earths available	July 22	84
U.S. Borax-Vitro sign rare earth products marketing agreement	Dec. 2	78
Vitro moves into glass market via borrowed sales force	Sept. 2	64
Reactors		
AEC drops plans to seek new financial incentives for private nuclear power reactors	Sept. 30	103
Electric generators for Hanford nuclear reactor are out	Nov. 4	60
Electric generators for Hanford plutonium reactor virtually assured	Aug. 19	30
Fissionable materials - issue of private ownership	July 29	20
French-Belgian reactor contract	Oct. 14	51
Hanford nuclear reactor may generate electricity after all	Oct. 21	68
Hanford reactor generators a dead issue? ..	Sept. 9	44
Hydrogen cyanide process is first application of Fluohmic reactor	Sept. 23	44
Novel machine cuts catalyst load-time	July 29	39
Nuclear fuel research pace quickens (chart & table)	Nov. 18	167
Radioactive reactors inspected with ribbon-shaped probe	July 8	57
Refining		
Catalyst-cleaning process uses ion-exchange principles to remove metallic poisons	Dec. 9	93
Distillation tower fabricated from columbium ..	Oct. 14	97
Hydrocracking, new refinery fixture, boosts hydrogen demand - letter	July 8	11
World's largest petroleum refining tower ..	Oct. 14	97
Refrigeration - Morrison, Willard developed scheme for using liquid nitrogen to freeze food	Oct. 14-68	83
Refrigerators - ABS resins bid for big outlet in refrigerator applications (chart & tables) ..	Aug. 5	111
Regulators		
Air-controlled regulators cut steam distribution costs	Aug. 26	75
Pressure regulator	Sept. 2	59
Temperature regulator	Oct. 7	101

Research		
AIChE launches clearing house for engineering research	July 29	37
ARPA awards materials research grants to five universities	July 8	58
Acetylene from hydrocarbons using Wulff process	Dec. 9	72
Air Force spends big for basic research ..	July 22	75
Air Force spells out materials needs to industry (table)	Sept. 30	83
Antiradiation drug research enters intense new phase	Dec. 9	53
Basic research expenditures and policies ..	Dec. 9	58
British firms put more total research effort into basic studies	Dec. 30	51
Canadian tax incentives boost research ..	July 29	23
Cell disintegrator for enzyme preparation ..	Nov. 11	108
The challenge of conveying the "truth" in technology - Viewpoint	Nov. 18	5
CPI outlays will climb - but growth rate slips (table)	Dec. 30	45
CPI uses project indexes to determine profitability of research ventures	Oct. 14	143
College and university basic research - investment trends	July 15	75
Coordination chemistry promises varied crop of new products	Sept. 16	33
Cotton research: chemical finishes to make cotton stretchable, wool-like	Nov. 25	56
Crystal research opens door to solid-state devices	July 15	53
Direct conversion of fission energy into electricity under study	July 22	75
Flotation process recovers beryllium minerals from ores	Dec. 9	99
Fluidized calcination	Dec. 9	72
Food irradiation - continuation of Army's program	Dec. 16	46
Fuel cell developments from Germany	Dec. 30	51
Fuel-cell R&D combine forces in Britain ..	Nov. 11	108
Government research contracts can pay off in many ways	Nov. 11	105
Graphic arts boom spurs research on dry printing-copying processes (table)	Dec. 23	42
High-speed testing claims sizable strides in CPI (table)	Nov. 4	85
Hydrocarbon fuel developments	Oct. 28	38
Information retrieval see also heading		
Ion exchange edges toward new era of industrial usefulness	Oct. 28	35
Large-ring compounds make their bids (table) - letter	Aug. 5	93
Magnetic research yields novel superconducting materials	Sept. 2	12
Maleic anhydride - new applications emerging from the lab	Nov. 25	51
Measles immunization advances	Dec. 2	75
Medical research appropriations increased ..	Nov. 25	56
Metals - STAP, new process keeps metals strong at near-melting point temperatures ..	Nov. 4	59
Midwest space sciences research, education and industry program	Sept. 2	39
Military services increase status of laboratories	Nov. 11	108
Minnesota Mining's research chief resigns ..	Nov. 4	59
NBS research program on use of gamma radiation under high pressure to produce polymers from nonpolymerizing monomers ..	July 15	24
Nuclear fuel research pace quickens (chart & table)	Dec. 9	48
Nuclear acids: target of new research study ..	Nov. 18	167
Oceanographic research to benefit chemical industry	Aug. 12	31
Pattern of chemical business in '61 - report (charts)	Aug. 26	29
Peroxide research yields new products (table) ..	Nov. 4	105
Physiological aging process arrested by changing amino acid balance in diets ..	July 22	39
Plasma jets in production of solid materials with unusual surface characteristics ..	Nov. 4	101
Polymer research leads to new blocking, grafting techniques	Dec. 9	72
Polymer research organization formed	Aug. 26	69
Private foundations faced with problem of increased government support	Nov. 4	88
Purchasing for research - proper planning can clamp a lid on costs	Sept. 23	55
Radiation-producing particle accelerators go job hunting (tables)	Aug. 12	29
Refractory metals coatings research (table) ..	Oct. 21	89
Research expenditures forecast for '62	Oct. 7	89
Rockets - R&D spending for chemical rockets (table)	Oct. 28	67
Science Resources Planning Office set up ..	Aug. 26	22
Solar developments highlight international energy meeting	Nov. 18	20
Soviet-bloc nations would like to grant licenses on some of their chemical processes - Opportunity, or a trap? - Viewpoint	Sept. 16	38
Soviet-bloc patents and process licenses offered to U.S. companies	Dec. 16	5
Space propulsion research - progress report (table)	Dec. 16	101
Suggestion systems gain favor in CPI (table) ..	Sept. 9	105
Thin-film research leads to novel dry lubricant system	Aug. 19	67
"Ultracure" fused quartz	Dec. 30	48
Vista, flameless decrimpling process, yields tougher glass fabrics	Dec. 16	108
Wash-and-wear finishes for natural fabrics - research developments	Dec. 30	51
Your hidden resources - Viewpoint	Sept. 23	47
Resins		
ABS plant completed by Goodrich	Sept. 16	5
ABS resin outlook bright as raw material prices tumble (chart & tables)	Nov. 4	140
ABS resins - Goodrich expands	Aug. 5	111

Acetate resins infringement suit filed by Du Pont against Japanese company	Dec. 23	39
Alkyd resin for paint industry	Dec. 23	25
Data processing opens door to Penlon resin sales	Nov. 4	125
Epoxy casting compound called Mereco 43-12 ..	Sept. 2	51
Epoxy cement	Nov. 11	92
Epoxy diluent called AT-534	Oct. 7	84
Epoxy line from Fenwal	Nov. 25	86
Epoxy resin, Eponal 55, needs no curing agent	Nov. 4	102
Epoxy resin prices	Dec. 23	45
Epoxy resin "terrazzo" called Poly-Traz	Sept. 16	59
Epoxy resins cut maintenance costs	Nov. 4	170
Epoxy resins for filament winding systems ..	Sept. 16	59
Flame-retardant resin	Sept. 30	62
Hercules Powder appoints six new resin distributors	Aug. 5	152
High-density polyethylene resins trio	Sept. 16	54
Ion exchange resins new uses	Oct. 28	35
Japanese process makes acetate resins by gamma radiation	July 29	45
KER resins formed by reacting ortho cresol-formaldehyde novolac with epichlorohydrin ..	Sept. 2	53
One-can stable epoxy resin system	Oct. 28	68
Paper resin called Mydel 550	Sept. 2	51
Phenolic resin, Flexiphen 1960	July 1	59
Polyester plastic resin - prices	July 1	52
Polypropylene specialty resins - prices	Sept. 16	94
Production increased in '60	July 22	99
Textile resin called Onyxset A	July 15	90
Transparent rigid semirigid epoxies for curing at room temperatures	Sept. 2	53
Rhenium disulfide as a high-melting semiconductor interests Russians	Dec. 2	58
Ribonuclease - Bovine ribonuclease of extreme purity available	Aug. 5	96
Rockets		
ARS meeting features new ideas for space ..	Oct. 21	23
Air Force firms plans for solid-fueled space booster to propel men to the moon	Sept. 30	31
Air Force's space rocket boosters program ..	Oct. 28	31
Chemically fueled rockets development - space budget allowances	Aug. 19	30
Deep-sea pressure suggested for densifying and curing large plastic "skirts" used in thrust nozzles for big rocket motors	July 29	45
Dyna-Soar program gets Titan-III C booster ..	Dec. 30	13
Glass fiber girdles for assembling large solid-propellant rockets	Oct. 21	23
Liquid fuels have an edge over solid fuels for moon-shots	Nov. 11	34
NASA booster program - contracts	Dec. 23-20, Dec. 30-13	
Project Apollo to be located in Texas	Sept. 30	22
Slurry fuels development contract	Aug. 5	100
Solid-fuel rockets move up in space race (table)	Aug. 26	21
Solid-fuel rocket booster	Dec. 16	45
Solid-fuel rocket booster development given priority push by NASA and Air Force ..	Aug. 12	25
Space propulsion systems - progress report (table)	Sept. 9	105
Thiokol's rocket operations continue to grow ..	Oct. 21	24
Roots - Coating for roofs called Desco Neolon ..	July 8	99
Rosin		
Inventories climb as prices come down (charts & tables)	Nov. 25	111
Prices	July 8	84
Rosin flux remover called Reflux	Nov. 4	56
World rosin picture will improve	Nov. 11	102
Rubber		
Black masterbatch route enables tire recappers to compete for tire tread (camelback) markets	Sept. 16	28
Butyl tires roll up big sales, bolster butyl market outlook (chart & tables)	Sept. 30	97
Ethylene-propylene copolymer imparts ozone resistance to synthetic rubbers	Sept. 2	53
Ethylene-propylene rubber advances	Sept. 16	63
Ethylene-propylene rubber produced by Enjay ..	Sept. 23	89
French synthetic rubber plant planned	Dec. 30	40
Fusible silicone rubber	Dec. 9	85
GSA rubber-disposal plan	Nov. 11	33
Goodrich-Gulf has three licenses for synthetic natural rubber process	Oct. 28	68
Latex additive, Styrocrete, for cement mortar ..	July 1	59
Lignin SBR tires pass use tests; production's still a hurdle	Sept. 16	106
Metal-filled silicone rubbers	Nov. 4	52
Natural rubber consumption	Dec. 30	14
Patent fight - oil-extended rubber patent approved by British	Sept. 9	89
Patent fight - Swedish patent office supports General Tire's oil-extended rubber claims ..	Aug. 19	26
"Polymer Market Abstracts" - new marketing service	July 22	64
Polysulfide rubber in spongy, resilient grade can be colored	July 22	76
Price cut on polyisoprene synthetic	Dec. 2	68
RTV liquid silicone rubber compounds in new size	July 15	90
Rubber additive called Lipco Paste	July 8	99
Silicone rubber compound called KW-1920	Nov. 4	56
U.S. and Britain to suspend price restrictions on sales from strategic stockpiles	Dec. 2	68
Urethanes move in on foam rubber markets ..	Sept. 2	63
Vinyl pyridine rubber advances	Sept. 16	63
Vulcanizing aluminum sheet or foil onto rubber - process debuts	Sept. 16	64
World prices of natural rubber will continue to drop	Dec. 9	101
Rubber stamp is permanently inked	Nov. 25	86
Russia		
Automated process to plate metal with nickel ..	Dec. 16	97
Cracking process upgrades reduced crude and vacuum residues from distillation units	Oct. 21	68

Experiments with oxygen and natural gas for use in blast furnaces	Sept. 2	54
Ghana-U.S.S.R. long-term trade agreement	Nov. 18	18
Inside Russia's patent system - Dimension	Dec. 16	102
Khrushchev spells out Soviet 20-year chemical goals	Nov. 4	155
Purchases English computer for process control	July 15	76
Rhenium disulfide as a high-melting semiconductor	Dec. 2	58
Soviet-bloc patents and process licenses offered to U.S. companies	Dec. 16	101
U.S. firm acquires licensing rights to Soviet patents	July 22	27
U.S. plastics show tours Russia	July 22	32
Water pollution problems	Nov. 25	47

Rust

Akron, O. ok's use of rust-inhibited salt for municipal ice removal	Nov. 25	84
Rust preventive called Ferro-Gard	July 15	90
Salt additive (rust inhibitors) makers plan assault on ice remover markets	Oct. 28	45

S

Safety

Accident rate increased in '60 (charts & table)	Aug. 5	55
Ammonium nitrate properties to be investigated	Sept. 2	83
Canadian rules to regulate transportation of radioactive materials on highways	Dec. 9	42
CPI opposes NBFJ rules for safe handling of hazardous chemical commodities	Aug. 12	65
Controversy erupts over latest proposals for transporting dangerous cargoes	July 8	38
Electric motors raise hazards controversy	Aug. 5	56
Fallout - what the U.S. CPI is doing to counter its effect on chemical processes	Dec. 2	81
Federal Hazardous Substances Labeling Act update	Dec. 16	24
ICC findings on the Nov. 21 freight train tragedy at Poca, W. Va.	Dec. 16	42
Radiation fallout threat spurs CPI emergency planning	Oct. 14	38
Realistic fire and disaster drill at Houston Ship Channel plant	Nov. 4	170

Salt

Makers of rust inhibitors for salt plan assault on ice remover markets	Oct. 28	45
Rust-inhibited salt to be used by Akron, O. for municipal ice removal	Nov. 25	84
Sea-water utilization process yields salt	Oct. 28	74
Samplers - Fluid sampling device	Nov. 4	175
Sardinia - Pittsburgh Plate Glass and chemical company	Oct. 14	26
Screens - Portable screens for welding safety	Oct. 28	97
Seals - Urethane hydraulic seals	Aug. 5	56
Selenium - Producers scotch rumors of shortage	Nov. 18	193

Selling

Aerosol windshield de-icers head for 20-million unit sales	Nov. 25	81
Air Products drives for \$70-million sales volume	Sept. 16	26
Alum joint production-marketing venture	Oct. 7	106
Antifreeze fair trading dropped by Carbide	Sept. 16	70
Borden Chemical vaults into \$100-million/year sales category (table)	Aug. 5	47
Bryon Chemical's cure for "marketing myopia"	Dec. 2	64
CPI firms by sales tie-ups to reach new markets	Sept. 30	103
CPI profits are lagging in upswing (table)	Sept. 23	25
CPI sales staffers push bulk sales of solids	July 22	99
CPI takes beating in first quarter '61	July 8	23
Calchem puts emphasis on marketing for new selling push	Nov. 11	99
Cerro will handle all its own sales operations	July 15	42
Cleveland auto laundry fallout grimick - cashing in on the headlines - Viewpoint	Dec. 9	5
Coated papers roll up gains for synthetic latex binders	Sept. 9	79
Commerce Dept. survey says manufacturers expect boost in fourth-quarter sales and inventories	Oct. 21	43
Container makers broaden plastic unit lines to win more CPI business (table)	Aug. 19	97
Com Products Co. cashes in on corn	July 8	22
Credit signs mixed	Sept. 2	85
Cryogenic gases - report (charts & tables)	Oct. 14	55
Data processing opens door to Penton resin sales	Nov. 4	125
Detergent tablets being offered abroad	Dec. 30	37
Door-to-door selling pays off for Watkins Products (table)	Aug. 5	131
Dow offers "Realities" magazine as part of direct-mail campaign	Sept. 30	107
Drug sellers taking new marketing tack (table)	July 29	51
Drug wholesaler, Ketchum, enters drug manufacture	Nov. 4	131
Drugmakers jolted by decision of top distributor to make its own drugs	Oct. 21	37
Eastman Chemical move to bring substandard polyethylene sales into the open	Dec. 2	67
Effective selling costs money - Viewpoint	Dec. 9	5
European market research association considered	Oct. 21	98
Europe's aerosolers count on 35% sales gain in '61 (charts & table)	Nov. 11	99
Fabric softeners sales spur	Dec. 30	36
Fanshew's goal: sales doubled in a decade	Nov. 11	47
Farm consumer panel compiled by Riedeburg		

Associates

Fertilizer maker boosts sales with premiums, education, service	Nov. 4	136
Fertilizer marketing innovation: IMC gives three-day management seminar for executives of customer companies	Oct. 28	61
Fire-fighting chemicals market ripe for expansion	Aug. 5	152
Forecast '62 - gains will shape record-breaking year (charts)	Oct. 7	39
Formaldehyde producers push new stabilized types	Dec. 30	25
German fragrance maker spurs U.S. selling drive	Sept. 30	104
Government agencies push surplus chemical plants	Dec. 2	47
Government owned Naval Industrial Reserve Ordnance Plant sold to American Polish & Chemical	Nov. 18	16
Grace and Cosden map new ventures as chemical sales hit \$250-million mark	Dec. 23	19
Hot-melt adhesive makers foresee fourfold sales rise in '60s	Sept. 16	28
Housekeeping products - market research study	Dec. 16	31
Hydrocarbon blends move into aerosol propellant marketing picture	Nov. 25	84
Insecticide makers ponder how to win more sales	Oct. 7	41
Insecticide sales head for record year in '61 (chart & table)	Sept. 23	101
Inventory survey finds companies still reluctant to build stock levels	July 22	95
Japanese chemical equipment firms boost sales	Dec. 9	39
Major metals boom buoy's '62 chemical sales outlook (chart)	Sept. 23	84
Market research blamed for profit plight by veteran industry observer - Viewpoint	Sept. 30	21
Niles aims for total sales volume of \$125 million by '65	Sept. 30	7
Minnesota Mining replaces trademarks with 3M symbol	Aug. 5	49
Monsanto forms market development group	Sept. 16	71
NICB survey charts sales shifts	Aug. 5	156
New York World's Fair - CPI producers will be on display	July 8	37
Overseas marketing poses new promotional problems to CPI	Dec. 2	65
Paint makers seek answer to sales problems (table)	July 8	33
Pattern of chemical business in '61 - report (charts)	Dec. 2	65
Plastic panels - CPI firms broaden marketing programs	Nov. 18	25
Plastic toy sales boom	Aug. 5	152
Plastics in building - why sales lag the giant market potential (table)	Dec. 23	16
Plough enters \$25-million/year rubbing alcohol field	July 15	21
Polyethylene - low-cost polyethylene - can it stabilize the market?	July 1	59
Product information centers help ring up sales	Dec. 23	34
Reciprocity and foreign buying - two major concerns of CPI purchaser (table)	Sept. 16	73
Resin makers hope market and product development work will boost sales	Aug. 12	59
Rush delivery gains importance as sales tool	Nov. 4	126
Sales and earnings - '61 first-half returns are varied (tables)	July 1	25
Sales and earnings - '61 second quarter report shows wholesome gains	Aug. 19	24
Sales and earnings - '61 third quarter reports (chart & table)	Aug. 5	48
Sales and earnings report for first quarter (chart & table)	Oct. 28	21
Salesmen - flying salesman: still a lone eagle (table)	Sept. 29	13
Salesmen hired on temporary basis to help Dow launch Doward line	Oct. 14	111
Salesmen - overseas jobs are a growing problem to CPI	Dec. 30	20
Salesmen - sales training consultants offer variety of sales aids to CPI	Sept. 9	72
Salesmen's salaries - survey	Nov. 25	35
Second quarter sales hit new high	July 15	40
Soap and syndet sales up in '61	July 8	17
Soap and synthetic detergents sales up	Nov. 25	106
Syndet makers test-market premeasured packets and pellets	Sept. 30	100
Tire sales boost butyl rubber sales outlook (chart & table)	Sept. 16	51
Toothpastes containing fluoride stage a comeback	Sept. 30	97
Trade show promotion plans reevaluated by CPI management	Sept. 2	45
Vending machine dispenses proprietary drugs and sundries	Sept. 2	79
"Weatherware" newsletter helps St. Regis customers decide on marketing plans	Dec. 2	53
What are you selling? A philosophy of marketing - Viewpoint	Sept. 16	70
Wool industry maps out promotion program	Oct. 7	5
Semiconductors - Crystal research opens door to solid-state devices	Nov. 18	7
Separation - Fractional freezing (Quantum process) for purifying organic chemicals	Aug. 5	156
Sewage Treatment	July 15	53
Federal grants for sewage plants increased	July 8	43
Oxidator-aerator, called Mechanicomb, for treatment of sewage and industrial wastes	Sept. 30	38
Syndets - new challenge in sewage treatment - letter	Aug. 19	41
Zimpro sewage disposal, power generating process goes commercial in big way	Oct. 14	7
Shale Rock - Glazed pebbles from shale rock via expansion process	Oct. 28	73
	Nov. 11	75

Shipping

Air freight rates drop, brighten prospects for air-shipped chemicals	Aug. 5	147
Ammonium nitrate fertilizer storage and shipping facilities revised by Phillips Chemical	Dec. 23	34
Bulk handling trend looms large in new packaging survey	Sept. 16	67
Brexit bid for bigger share of small-quantity, short-haul shipping	Dec. 23	35
California increases dockage rates	Nov. 11	45
CPI braces for long maritime strike	July 1	28
CPI opposes NBFJ rules for safe handling of hazardous chemical commodities	Aug. 12	65
CPI resists proposals to impose tolls on waterways	July 8	43
Congress bears down on bogus "for-hire" trucks	July 15	39
Container makers broaden plastic unit lines to win more CPI business (table)	Aug. 19	97
Containers and packaging - Commerce Dept. reports on usage	July 8	37
Controversy erupts over latest proposals for handling dangerous cargoes	July 8	38
Deep-water dock facilities constructed by Hamilton (Ont.) Harbor Commission	Dec. 16	42
eliminating transshipment costs	Oct. 28	62
Great Lakes' first sulfuric acid tanker	Sept. 16	68
ICC barge and rail rulings may bring about change in freight rates	Aug. 5	62
Kennedy proposes changes in transportation law	July 1	26
Lighter steel drums ahead	Sept. 2	85
Liquid hydrogen cross-country hauls launched	July 29	52
Low shortcut water route opened between Baton Rouge and Gulf	July 1	25
Rush calls hurry CPI deliveries	Dec. 16	37
Sizing up European distribution	Aug. 19	100
Sulfur - Canadian plan: ship it via novel bulk train	Dec. 2	32
Suspension of the "constant charge" proposal of truckers	Oct. 7	45
Truckers of dangerous products win a point in federal investigation of train-truck accidents	Dec. 9	102
25 special helium tank cars to handle increasing shipments	Aug. 19	102
Waterside projects have increased	Sept. 9	44
Wayway tolls to be discussed at Houston conference	Dec. 30	40
Sicily - Amines plant planned	Sept. 9	86
Silica gel product dries flowers	Sept. 23	59
Silicones	Sept. 30	36
Fluorosilicone fluids and greases	Nov. 4	52
Fluorosilicone lube deforms too	Dec. 9	88
Metal-filled silicone rubbers	Nov. 4	56
Paintable silicone parting agent	Dec. 9	88
Silicone rubber compound called KW-1920	Nov. 4	56
Silicone rubber paste	Dec. 9	88
Silver	Nov. 4	146
Increased demand, limited supplies hint of coming price rise (charts)	Dec. 9	48
Price rise	Sept. 30	32
Prices become hot issue in Washington	July 22	99
Shortage foreseen for '62	July 15	76
Slimicides	July 8	99
Acrolein tested for use as slimicide	Oct. 28	97
Vaporem R, new slimicide for use in air-conditioning systems	Nov. 18	175
Snubber for blowers, compressors and engines	Oct. 28	97
Snyder, John L. - General Aniline's new chief	Oct. 14	32
Soap	Aug. 19	78
Bacteriostat developed by O-M	Oct. 14	7
Sales up	Sept. 30	100
Synthetic detergent and soap sales up in '61	Nov. 25	106
Society of Automotive Engineers - Hydrocarbon fuel developments pinpointed at Los Angeles meeting	Oct. 28	38
Soda ash - Russians claim automated soda ash plant	Nov. 18	175
Sodium - Key-Chem products - mixture of phenolic acids in form of sodium salts	Dec. 2	53
Sodium borohydride	July 22	91
Prices drop as capacity increases	Sept. 16-64, Dec. 2	57
Pulp and paper bleaching process - development work	Sept. 16	103
Sodium carbonate - Vanillin process yields sodium carbonate as by-product	Sept. 16	103
Sodium chloride	Nov. 18	13
Penn-Olin antitrust trial underway (tables)	Sept. 16	94
Penn-Olin plant onstream	Nov. 25	105
Sodium citrate - Prices	Dec. 16	90
Sodium dodecylated oxydibenzene disulfonate - surface active agent Benax 2	Nov. 18	185
Sodium gluconate - Cowies Chemical enters field with new catalytic air-oxidation process	Oct. 21	68
Sodium pyrosulfite - Czech recovery process	Nov. 25	23
Sodium silicate - Amerace enters field	Sept. 30	74
Soil Conditioners - Soil Sealer reduces amount of water lost through seepage	Sept. 16	38
Solar Energy	Aug. 26	56
International energy meeting highlights solar developments	Sept. 16	38
Solar-thermoelectric power may be feasible for irrigation	Aug. 26	56
Solvents	Sept. 30	62
Danco Coin-Op Blend, new product for purifying solvents	Oct. 14	25
Enjay extends its line of solvents	Oct. 14	25
Sorbitol	Aug. 19	17
Baird reveals more details about project	Nov. 4	38
Canadian firms plan sorbitol units	Nov. 11	17
Canadian oversupply foreseen	Nov. 11	17

The South — Industrial potential: vast — but problems must be solved — Viewpoint.....	Nov. 11	5	Sulfuric acid Great Lakes' first sulfuric acid tanker Tennessee Corp. unit onstream at Tampa, Fla.	Oct. 28	62	Tennessee Valley Authority CPI plants in Tennessee Valley keep operating rates at high average	Oct. 14	31
Spain CPI seeks more liberal foreign investment rules	July 15	25	Superconductors Columbium-zirconium wire is key to powerful superconducting magnet	Nov. 25	105	Liberalized credit policy	Dec. 2	65
Fertilizer industry growth	Nov. 18	15	Powerful new magnets spur "high field" research	Sept. 30	79	Power rates cut, big users not affected	July 22	28
Government to acquire 50% of Cia. Iberica de Petroleos	Dec. 16	25	Vanadium-gallium supermagnet material	Nov. 25	51	Rotating electric phosphorus furnace construction under way	Dec. 2	58
Manganese and zinc dithiocarbamate venture	Oct. 14	33	Surface active agents Anionic surface-active agents called Amosul	Nov. 18	175	Sites, resources available for six more hardwood pulp mills	Sept. 9	39
Petrochemical complex planned by INI and several foreign firms	Oct. 7	26	Benox 2 — sodium dodecylated oxydibenzene disulfonate	Sept. 16	54	Testing High-speed testing claims sizable strides in CPI (table)	Nov. 4	85
Petrochemical plans dropped by Jersey Standard	Oct. 28	18	Fatty nitrogen compounds called Fatchemco; amphoteric surfactants called Uniterge	Dec. 16	90	— letter	Dec. 30	5
U.S. firm will build petrochemicals plant	July 8	25	Fluorocarbon-type surfactants	Nov. 4	52	Mass flowmeter tester	Oct. 21	110
Spodumene — Foote Mineral expands to meet growing market	Sept. 30	80	Low-foaming anionic surface-active agents called ABEX	Dec. 16	32	Pollution control — the big need is faster, cheaper detection tests (tables)	Sept. 16	85
Spray nozzles — Sonic nozzles promise lower-cost spray-processing	July 15	95	Production increased in '60	Nov. 25	76	Tensile properties of single fibers tested with new high-speed device	Oct. 14	97
Stabilizers — Nontoxic stabilizers for vinyl formulas	Sept. 9	86	Sweden Neutral head, Western heart — Behind the news H.C.E. Johnson	July 22	99	Tetraethyl lead Houston Chemical is now selling TEL	Oct. 7	105
Standardization New council will establish standards for packaged fresh ground beef	Dec. 9	40	Second-largest single chemical investment plans	Dec. 30	40	Nalco will use electrolytic process to make TEL-TWL	Sept. 16	63
Pump standards spotlighted at Chemsow	Dec. 9	113	Synthetic Organic Chemical Mfrs. Assn. — Salvo at new tariff plan	Dec. 16	23	Sacrificing anode process scores in TEL	Nov. 11	63
Stanford University — AEC's linear accelerator plans approved	Sept. 30	32	Syria Chemical industry has 83 new projects	July 29	18	Tetrafluoroethylene — Pennsalt develops new method of making TFE	Nov. 25	75
Starches Consumption by housewives — survey	Nov. 25	84	Russia will build ammonium nitrate fertilizer plant at Homs	Sept. 2	29	Tetramethyl lead Nalco will use electrolytic process to make TEL-TWL	Sept. 16	63
Water-soluble potato starch film nears commercial debut	Oct. 21	51	Succeeds from the United Arab Republic	Oct. 14	30	Sacrificing anode process scores in TEL-TWL	Nov. 11	63
Western Nigeria wants to set up starch industry	Dec. 23	40	T					
Statistics — Statistical engineers seek ways to cut quality control testing costs	Oct. 7	97						
Siam Control system cuts cost of process steam distribution	Aug. 26	75	Tanks Floating covers in storage tanks cut evaporation loss	July 29	47	Texas Dallas polishes its attractions for CPI investors (map)	Sept. 9	115
Converting underground steam to electricity moves ahead in Venezuela	Oct. 14	97	Glass-fiber storage tank	Aug. 19	62	Gulf Coast cleans up after Hurricane Carla (table)	Sept. 23	20
Hydrox Combustor generator produces stand-by steam	Nov. 4	168	Tantalum All-tantalum pump	Dec. 2	58	Hurricane Carla batters Texas coastline	Sept. 16	27
Steam trap	Sept. 2	60	Price climb for scrap and ore is about at an end	Dec. 16	45	Project Apollo site selected by NASA	Sept. 30	22
Steric acid — New process for making stearic acid uses ordinary distillation techniques	July 15	76	Tantalum carbide — Incandescent lamp uses tantalum carbide filament	Aug. 19	77	Texas Woman's University — Antifungal research	Nov. 11	106
Steel Cold stretching process called Ardeforming increases strength of steel	Aug. 26	55	Tape Cold-weather plastic tape for electrical wire splicing	Nov. 4	52	Textile Economics Bureau — Survey of world man-made fiber production	July 1	56
Cold-stretching process may produce lower cost stainless steel pressure vessels and piping	Sept. 2	57	Electrostatic shielding tape	Nov. 25	88	Textiles Fluorel coated fabrics	Aug. 19	62
Industry rejects Kennedy's request to hold the line on prices	Sept. 23	17	Tariffs Administration's new foreign trade policy	Nov. 18	19	Glass fabrics tougher with flameless decrimping process	Dec. 30	51
Lighter steel drums ahead	July 1	26	Aluminum industry has four-point program on tariffs	Nov. 25	47	Nuclear waterproofing of textiles	Nov. 11	73
New process uses soft, medium-carbon steel for forging and machining	Dec. 23	38	Canadian tariff revision bill killed	July 29	17	Radiation-grafted polypropylene may be key to new nonwoven felt	Nov. 25	76
Nickel prices rise, may affect stainless steel equipment	July 22	51	Free traders fire early salvos in major tariff policy fight	Nov. 11	22	Radiation processing of textiles moves ahead overseas	July 15	75
Patent on columbium steel received by Great Lakes Div. of National Steel	Dec. 2	58	GATT's new call for tariff cuts	Dec. 9	36	Wash-and-wear finishes for natural fabrics — research developments	Sept. 23	47
Production boom buoyed '62 chemical sales outlook (chart)	Sept. 30	21	Industry seeks special concessions in anticipation of Kennedy's new foreign trade policy proposal	Dec. 9	48	Wash-and-wear finishing — formaldehyde cross-linking process and sulfone process debut	Nov. 4	88
Special steels change equipment design concept	Oct. 28	91	Japan should remove duties on naphtha for petrochemical use	Dec. 16	25	World textile markets face stiffening competition	July 22	92
Steel Ingot is electrode in novel electric furnace developed by Soviets	Nov. 18	182	Kennedy Administration urges sweeping changes for U.S. trade, tariff and tax policies	Nov. 25	21	World textile production survey	July 1	56
Strategic-Ind's process gets vote of confidence	Dec. 16	89	President's new trade program — drum-beaters and fence-sitters	Dec. 30	7	Thermoelectricity — Solar-thermoelectric power may be feasible for irrigation	Aug. 26	56
Steel Shipping Container Institute — Light-weight steel drum research project	July 1	26	Reciprocal trade showdown builds in Congress	Sept. 30	31	Thickeners — Acrylic emulsion copolymer for thickening aqueous and polar-solvent systems	Sept. 9	82
Sterilization — Films made sterile with new chemical called Apholate	Nov. 4	102	SOCMA firing salvos at new tariff plan	Dec. 16	23	Thiourea — Baird Chemical will be only U.S. firm to make thiourea	Nov. 4	140
Steroids — Neopentyl glycol adipate polyester for steroid analysis	July 15	72	Tariff bill concessions shape up	Dec. 23	15	Thorium — Thorium-uranium fuel	Nov. 18	180
Storage Hydrogen peroxide bulk storage facilities to be built at Charlotte, N.C.	Aug. 5	152	Taxation Administration's new tax plan may make it...	July 29	15	Tiles — Fire-resistant woodfiber aims at acoustical tile markets	Sept. 30	79
Phillips Chemical opens new ammonium nitrate fertilizer storage facilities	Dec. 23	34	Canada's new tax law boosts incentive for doing research	July 29	23	Tires Black masterbatch route enables tire recappers to compete for tire tread (chart & table)	Sept. 16	28
United Salt Co. mine offered as bombproof corporate record storehouse	Nov. 25	30	CPI hopes rise for liberalized depreciation rules	Oct. 28	53	Butyl tires roll up big sales, bolster butyl market outlook (chart & table)	Sept. 30	97
Storms Hurricane Carla batters Gulf Coast area	Sept. 16	27	Credit plan for machinery and equipment spending may not be dead	Aug. 5	62	Lignin SBR tires pass use tests; production's still a hurdle	Sept. 16	106
Texas Gulf Coast cleans up after hurricane Carla (table)	Sept. 23	20	Depreciation — recipe for prosperity — Viewpoint (table)	Aug. 19	7	Manufacturing should hit new high in '62	July 22	99
Strippers Epoxy stripper	Dec. 2	54	Du Pont-GM case — tax-easing bills	Oct. 7	45	cis-4-polybutadiene pushed for use in tires	July 15	104
PatcIn 601, new cleaner-stripper compound	July 1	59	Expense accounts — CPI must exercise self-control — Viewpoint	Oct. 28	5	Polyesters for tire cord get boost as researchers solve adhesion problem	Aug. 19	77
Strontium chloride — Therapeutic dentifrice for hypersensitive teeth contains strontium chloride	Sept. 23	60	Foreign tax havens may be eliminated	July 15	45	Titanium Kennecott Titanium becomes a totally inactive company	Oct. 28	23
Strontium fluoride — New laser material	Dec. 9	64	Illinois tax suit — Oil wins new hearing	Nov. 18	14	National Lead and Quebec Iron and Titanium will study feasibility of treating Norwegian limonite	Dec. 16	25
Strontium-90 — AEC is recovering strontium-90 from plutonium	Aug. 5	88	Kennedy Administration urges sweeping changes for U.S. trade, tariff and tax policies	Nov. 25	21	Packaged chlorine drying system includes titanium coolers	Dec. 9	114
Styrene Capacity continues to soar	July 29	56	Military spending increase will not change tax situation	Aug. 12	26	Titanium dioxide Continuous leaching process debuts	July 15	75
Marbon will build monomer unit at Baytown, Tex.	Nov. 11	17	Reform bill is dead for this year	Sept. 2	21	Du Pont considers West Coast project	Sept. 23	17
Sinclair-Koppers unit hits capacity operation	Nov. 4	140	Tax haven issue postponed until next year	Aug. 5	62	Pressure leaching: key to continuous titanium dioxide process (table)	July 22	70
Sugar — Sugar beet processing system	July 1	38	Textile industry permitted faster tax write-offs on production equipment	Oct. 21	43	Sulfate process: classic six-step route — Dimension	July 22	72
Sulfite — Ammonia recovery process bids for sulfite pulping jobs — letters	July 8-11, Aug. 5-9		Teflon Molding powder — prices	July 8	84	Tetrachloride oxidation process debuts	Sept. 9	89
Sulfur Canadian by-product sulfur may head for U.S.	Dec. 30	57	Molybdenum E. combination of Teflon fluorocarbon and molybdenum bisulfide for lubrication	Nov. 11	79	Toluene diisocyanates Canada's first plant	Oct. 21	18
Canadian sulfur plan: ship it via novel bulk train	Aug. 19	100	100 FEP-fluorocarbon — prices	July 15	104	PWC will build unit at South Charleston, W. Va.	Oct. 14	26
Demand for elemental sulfur in non-Communist countries	Sept. 9	100	Pennsalt may produce Teflon-type material	Nov. 25	75	Nopco selects Linden, N.J. site for new unit	Oct. 21	18
Elemental sulfur shortage may develop by '65 or '70	Oct. 21	98	Tetrafluoroethylene resin products — prices	July 1	52	Prices	Dec. 23	45
Offshore sulfur mining operations at Grand Isle, La. — expansion	Nov. 25	18	Television CPI firms sponsor TV's "Eyewitness" and "Continental Classroom"	Oct. 7	127	Tooth Decay — Tennessee study strengthens case for water fluoridation	July 8	27
Production costs shaved by \$4/ton	July 15	104	3-in. diameter camera made in England	July 15	98	Toothpaste Fluoride toothpastes stage a comeback — with ADA's approval	Sept. 2	45
U.S. and world sulfur markets (table)	Sept. 2	25	Temperature — Time-temperature indicator for frozen foods, drugs	Oct. 28	67	— letter	Nov. 25	7

Training

Automation - time for retraining - Viewpoint	Oct. 28	5
CPI preaching practical politics in the plant	Dec. 9	31
CPI retraining workers to meet demands of automated plants	Sept. 30	43
Defense contracting personnel training program	Oct. 7	46
Fertilizer management seminar	Aug. 5	152
ICWU school trains labor organizers in "soft sell"	July 1	46
Liberal arts gain new favor in management training (table)	Dec. 23	27
Process simulator for industrial training programs	Sept. 30	48
Sales training consultants offer variety of sales aids to CPI	Nov. 25	35
Teaching machine called Audio Graphic	Aug. 19	78
Teaching machines offer new training savings	Sept. 9	93
Technical speakers bureau launched	Dec. 16	129
Transducers - Pressure transducer	July 22	54

Transistors

Cadmium sulfide is key to tiny new three-element transistor	July 15	53
New transistor is closest thing yet to a universal transistor	Sept. 2	54
Transmitters - Rotameter transmitter	Aug. 19	62

Trichloroethylene

Austrian firm enters field	Sept. 30	93
"Dumping" charges spark controversy on both sides of Atlantic (charts)	Nov. 11	21
Prices	Sept. 9-97, Sept. 16-94	
Trichloroethylene - Prices	Sept. 1	52
Trinitrotoluene (TNT) - Canadian firm to resume production	Sept. 30	94
Troma - Allied project in Wyoming is progressing	Sept. 9	34

Trucks

Congress bears down on bogus "for-hire" trucks	July 15	39
ICC restrictions on chemical and petroleum truck operations	Dec. 16	45
NBPU moves to regulate chemical trucking	July 8	38
Tank trucks now can haul finished chemical products in bulk	Nov. 25	48

Tubing

Glass-fiber tubing	Nov. 25	96
Nylon pressure tubing	Sept. 30	38

Tungsten

Tungsten alloy can be rolled from ingot to sheet or tube	Aug. 5	99
Ultrahigh-purity, single crystals of tungsten developed	Sept. 23	59
Tungsten disulfide - Available for use as lubricant and catalyst	Nov. 4	56

Turbines

First all-gas turbine cat cracking plant in the U.S.	Dec. 30	52
Gases generated by cattle wastes run turbine	Oct. 21	72
Turpentine - Low price hikes demand - but profits are hurt (chart & tables)	Sept. 16	97

U

Ultrasonics

Sonic nozzles promise lower cost spray-processing - letter	July 15	95
Ultrasonic mass flowmeters	Aug. 19	11
Ultraviolet - Purification of metals by means of ultraviolet light	Sept. 23	59

United Arab Republic

Concerted petrochemical buildup urged for Arab nations	Oct. 28	24
Fertilizer, aluminum and heavy water projects authorized by government	Aug. 5	51
Syria secedes from U.A.R.	Oct. 14	30
United Arab Republic Economic Development Organization - Chemical projects for '62	July 1	20
United Nations Conference on New Sources of Energy - Solar energy developments highlight Rome meeting	Sept. 16	38

U.S. Air Force

Materials developments reported at ASD symposium (table)	Sept. 30	83
Solid-fueled rocket booster	Dec. 16	45
Space rocket boosters program	Oct. 28	31
U.S. Army - Conventional ammunition production stepped up	Sept. 9	43
U.S. Army Chemical Corps - Purchasing activities reorganization	Nov. 11	33

U.S. Army Corps of Engineers

Mark I aerospace environmental test chamber bids invited	Dec. 9	63
Summit chemical plants up for sale or lease	Nov. 18	16

U.S. Bureau of Mines

Atomic research facility to be built at Albany, Ore.	July 29	29
Helium price increase will boost sales volume	Aug. 26	66
Helium prices	Aug. 19	89
U.S. Commerce Dept. - '58 Census of Manufacturers pegs CPI's trek South	Aug. 5	103

U.S. Dept. of Agriculture

Formaldehyde cross-linking technique for wash-wear finishing	Nov. 4	88
Kennedy favors surplus corn deal to cut dependence on Cuban molasses	July 1	18
Northern Regional Laboratory - heat-		

reversible protein gel aims at broad food

uses	Sept. 16	52
Publicker surplus corn deal goes through	July 1	13
Southern Regional Research Laboratory - stretch cotton research	Nov. 25	56

U.S. Dept. of Health, Education and Welfare

Budget cut by \$102-million	Nov. 11	33
DISA, Michael may be new secretary	Nov. 18	20
U.S. Dept. of Interior - Office of Coal Research - appointments	July 15	68

U.S. Export-Import Bank - Credit insurance

plan to boost chemical exports	Nov. 18	33
--------------------------------	---------	----

U.S. Forest Service - Fire-fighting chemicals

field tested	Oct. 7	39
--------------	--------	----

U.S. Naval Ordnance - Magnetic Materials Div.

nonmagnetic alloys called Nitinol	Oct. 28	67
-----------------------------------	---------	----

U.S. Naval Ordnance Laboratories - Leak-

detecting process uses sensitive pressure gauges	Nov. 25	70
--	---------	----

U.S. Naval Research Laboratory - Odor-free,

water-thinned acrylic-latex paint for submarines	Nov. 25	76
--	---------	----

U.S. Public Health Service - Asks for more

men and money to step up enforcement of antipollution law	Aug. 12	26
---	---------	----

U.S. State Dept. - Agency for International

Development is accepting applications for foreign-investment guarantee program	Nov. 25	102
--	---------	-----

University of California - Conference on new-

product development in high-polymer coatings	Sept. 30	24
--	----------	----

University of Hawaii - Researchers find

lipstick pod plant yields safe colors	Nov. 11	92
---------------------------------------	---------	----

University of Idaho - Forest research center

and laboratory	Dec. 9	63
----------------	--------	----

University of Illinois - Bailor, John C., con-

ducts coordination chemistry research work	Sept. 16	36
--	----------	----

University of Mississippi - Forms chemical

research firm	Nov. 25	58
---------------	---------	----

Uranium

Freeport Sulphur may enter field	Sept. 16	17
Thorium-uranium fuel	Nov. 18	180

Urea

Canadian firm joins urea lineup	July 22	29
---------------------------------	---------	----

Escamilla will make urea solutions at Pace,

Fla. plant	Oct. 7	106
------------	--------	-----

Japanese firm switches to total carbamate

recycle process	July 8	57
-----------------	--------	----

Nitrogen fertilizers - report (charts &

tables)	Aug. 26	33
---------	---------	----

Sherritt Gordon to make urea in Canada.

	July 22	29
--	---------	----

Urethane

Fire-resistant, sprayable, rigid urethane	Nov. 18	176
---	---------	-----

foam for use as insulation

Foam-in-place urethane packaging system	July 15	90
---	---------	----

Foam industry heads for a showdown on

patent question	Oct. 21	21
-----------------	---------	----

Foam makers expand, revamp marketing

efforts	Sept. 2	63
---------	---------	----

Key to uniform urethane foams

Masking agents for urethane foam	Dec. 16	97
----------------------------------	---------	----

Mexico's foam makers ready for battle over

urethane market	July 8	96
-----------------	--------	----

Plastic foam prospects are bright

Polyether producer list grows as urethane	Sept. 30	98
---	----------	----

demand surges (chart & table).

Technifoam launches new process for	July 8	87
-------------------------------------	--------	----

urethane foam molding

	July 8	45
--	--------	----

V

Valves

Aerosol valves	Dec. 16	89
----------------	---------	----

Ball valve actuator

Ball valves	Oct. 21	110
-------------	---------	-----

Check valves

Cryogenic control valve	Oct. 28	94
-------------------------	---------	----

Gas check valve

Graphite control valve	July 22	54
------------------------	---------	----

High-speed valve

Jacketed valves	Sept. 2	60
-----------------	---------	----

Large-valve actuator

Liquid metals valve	Nov. 25	96
---------------------	---------	----

Metering valve

Miniature solenoid valve	Oct. 28	94
--------------------------	---------	----

Plug valve

Top-entry ball valve	Oct. 7	101
----------------------	--------	-----

Vanadium chloride - Stauffer capitalizes on

interest in vanadium chlorides for stereospecific catalyst systems	Oct. 7	103
--	--------	-----

Vanadium pentoxide - Three-company combine

brings new vanadium pentoxide plant onstream	Sept. 30	38
--	----------	----

Vanillin - Canadian vanillin producer bets on

by-product rich new process	Sept. 16	106
-----------------------------	----------	-----

Vanish - Insulating vanishes

Vending machine dispenses proprietary drugs	Sept. 30	62
---	----------	----

and sundries

Venezuela - Pharmaceuticals plant to be opened by Merck	Dec. 2	53
---	--------	----

Vibrators

Portable vibrator	Nov. 25	27
-------------------	---------	----

Portable vibrator

Vietnam - Rayon project - feasibility study	Sept. 30	38
---	----------	----

Vinyl - Vinyls vie for chain-link fence coating

jobs	July 8	53
------	--------	----

Vinyl acetate

Capacity is outpacing swelling demand	Oct. 14	33
---------------------------------------	---------	----

(chart & tables)

Gulf Coast unit planned	Dec. 23	49
-------------------------	---------	----

Monsanto will build plant at Texas City

Decision stirs trade speculation	Aug. 5	37
----------------------------------	--------	----

National Starch will build plant at Seadrift,

	Dec. 9	17
--	--------	----

Tex.

Vinyl chloride	Oct. 21	17
Overcapacity clouds outlook (chart & table).	July 29	59
letter	Aug. 19	13
Prices	Oct. 7	105

W

Wages see Labor, Nonpower, Technical, Research, Selling

Warehouses - Plastic pellet depot	Dec. 23	35
Warfare Products - Step-up in production of chemical and biological weapons urged	July 1	21

Waste Disposal

Chattanooga, Tenn. will use modernized	Nov. 25	68
--	---------	----

version of conventional digester process	Sept. 30	80
--	----------	----

Nuclear waste evaporator passes final tests	Nov. 11	71
---	---------	----

Oil waste removal plan developed by Port	Sept. 30	36
--	----------	----

Packaged trickle filter plant offered to test	Sept. 16	85
---	----------	----

out waste-treatment program	Aug. 5	52
-----------------------------	--------	----

Plant operators look for better instruments	Aug. 19	41
---	---------	----

and tests for analyzing plant waste	Oct. 7	49
-------------------------------------	--------	----

streams (tables)	Oct. 28	73
------------------	---------	----

Prevention is P&G's way of holding down		
---	--	--

waste disposal costs		
----------------------	--	--

Synthetic detergents pose problem for waste		
---	--	--

water cleanup		
---------------	--	--

Water - report (charts & tables)		
----------------------------------	--	--

Zimmerman process bids strong for sewage-		
---	--	--

treatment business		
--------------------	--	--

Waste Utilization

Cattle wastes generate gases which run	Oct. 21	72
--	---------	----

turbines	July 1	44
----------	--------	----

European process to turn garbage into	July 8	58
---------------------------------------	--------	----

organic compost gets new push in U.S.	Nov. 25	70
---------------------------------------	---------	----

Glass fixation of waste nuclear fission		
---	--	--

products - new British process		
--------------------------------	--	--

Waste paper treatment system		
------------------------------	--	--

Water Pollution

Federal control over water-pollution problems	July 22	36
---	---------	----

expanded	Nov. 25	47
----------	---------	----

Federal water pollution control program	July 22	36
---	---------	----

upgraded	July 29	20
----------	---------	----

Kennedy Administration will upgrade water	Dec. 9	99
---	--------	----

pollution problems	Aug. 12	26
--------------------	---------	----

MCA praises new federal water pollution	Sept. 16	85
---	----------	----

control act	Aug. 5	52
-------------	--------	----

Novel oil-water separator	Sept. 16	64
---------------------------	----------	----

PHS asks for more men and money

cloth with styrene polymer	Nov. 11	73
Masonry waterproof called Surtisal	July 8	96
Wax		
Finwax 102 for carbon paper inks; Finwax 120 for investment casting waxes	Dec. 2	54
Floor wax called Master Wax	Dec. 9	85
Wurtz syntheses used to make hydrocarbon wax	Aug. 26	55
Welding - Portable screens for welding safety	Oct. 28	97
Wetting Agents - Sul-fon-ate BL Acid, non-cresylic acid - mercerizing penetrant	Sept. 2	49
Windshield de-icers		
Nonsearing windshield de-icer	Dec. 16	90
Windshield de-icers head for 20-million unit sales	Nov. 25	81
Wire		
Columbium-zirconium wire is key to powerful superconducting magnet	Sept. 30	79
High-temperature wire cloth	Oct. 28	97
Wood		
Cellon, new wood preserving process	Oct. 7	84
Douglas fir bark - source of three new product groups	Dec. 2	53
Fire-resistant woodfiber aims at acoustical tile markets	Sept. 30	79
Hardwood boards from bagasse - new process	Sept. 16	109
Solvent seasoning, new method of drying California Redwood	July 1	44
Wool		
Promotion program mapped out by wool industry	Aug. 5	156
Recaptures knitwear markets	Nov. 25	121

XYZ

Xenon - Cryogenic gases - report (charts & table)	Oct. 14	55
Xylene		
Clathration process licensed to Cosden?	Sept. 16	63
U.S. producers head for trouble in Japanese and home markets	Oct. 28	81
o-xylene export prices	Dec. 9	102
Yugoslavia - Petrochemical plans disclosed	Sept. 23	18
Zinc		
Horizontal reflow furnace distills zinc and cadmium	July 8	72
New process recovers zinc and lead simultaneously	Oct. 21	66
Plating process	Dec. 30	37
Price increase on zinc dust averted	July 22	92
Soviets develop continuous zinc process	Nov. 11	73
Vieille-Montagne blends lead slag with zinc sludge and wins by-product bonanza	Sept. 30	66

Author Index

Johnson, H.C.E.	
Behind the news	July 1-5, July 15-5, July 22-5
Viewpoint July 8-5, July 29-5, Aug. 5-5, Aug. 12-5, Aug. 19-7, Aug. 26-7, Sept. 2-7, Sept. 16-5, Sept. 23-5, Sept. 30-7, Oct. 7-5, Oct. 14-5, Oct. 28-5, Nov. 4-5, Nov. 11-5, Nov. 18-5, Nov. 25-5, Dec. 2-5, Dec. 9-5, Dec. 16-5	Dec. 73 5

Company Index

Abbott Laboratories - Actinospectacin drug is active in stopping growth of bacteria	Nov. 11	106
DPI, new chemical used for treatment of drug addicts	July 1	43
Wins "fair trade" injunction against G.E.M., Inc.	July 22	107
Les Acieries de Paris et D'Outreau - Pechiney-Outreau, joint venture of Pechiney and Les Acieries de Paris, to produce manganese	Aug. 19	26
Acme Resin Corp. - Molding compound	Dec. 23	25
Acumeter Laboratories - hot-melt applicators	Dec. 16	31
Adhesive Products Corp. - neoprene coating called Apco	July 8	96
AeroChem Research Laboratories, Inc. - breaks ground for new laboratory	Dec. 9	63
Aerocide Dispensers Ltd. - Durant, Carl, head of Canada's top aerosol, will direct Rochester Aerosol	Nov. 11	91
Aerojet-General Corp. - acquires 45% interest in Global Marine Exploration Co.	Aug. 5	51
Develops method of gelling liquid fuels	July 1	21
Encapsulation of solid rocket propellants - obtains license from NRC on process	Aug. 26	56
Explosive forming facilities at Chino Hills, Calif.	July 8	93
Forms new subsidiary, Space-General Corp., for design of missile and space systems	July 22	45
NASA contract for liquid rocket engines study	Nov. 4	46

Solid-fuel unit tested	Aug. 26	21
Aerosol Corp. of America - acquired by Shulton	Oct. 28	26
Instant Jato spray cleaner	Dec. 30	37
Aerosol Techniques Inc. - acquires space adjacent to its plant at Bridgeport, Conn.	July 8	96
Admitted to trading on the American Stock Exchange	Nov. 25	84
Agricultural Chemicals, Inc. - acquired by Phillips Electronics & Pharmaceutical Industries Corp.	Dec. 2	21
Air Products and Chemicals Inc. - acquires Hill Equipment and Supply and Hill Industrial Gas	Dec. 30	7
Air Products, parent company, will merge into subsidiary	Aug. 5	38
Houdry acquisition confirmed	Oct. 21	17
Kiddoo, Gordon, foresees trans-Mediterranean pipeline for liquefied methane	Nov. 25	25
Liquid hydrogen capacity	Aug. 19	77
Liquid hydrogen servicing system contract	Nov. 4	46
Mergers with Southern Oxygen and Air Products and Chemicals approved	Aug. 5	37
Nitrogen fluoride compounds in tonnage quantities	Nov. 11	79
Oxo-alcohols venture with Tidewater at Delaware City, Del.	Dec. 23	18
Oxygen unit may be built at Baytown, Tex.	Aug. 5	37
Southern acquisitions boost firm into \$70-million sales range	Sept. 16	26
Sun Oil may sell its interest in Houdry to Air Products	Oct. 14	25
Air Products, Inc. - see Air Products and Chemicals		
Air Reduction Co. - carbon dioxide price fixing suit	Dec. 23	13
Contempt-of-court case Sept. 16-78, Nov. 25-24, Dec. 2-29	Dec. 30	10
Companion civil suit		
Chemtron charges Airco with intent to induce a breach of contract between Chemtron and Florida Steel	July 15	23
Extends over-the-fence marketing of nitrogen and oxygen in the Delaware Valley complex	Aug. 26	23
Ohio Chemical and Surgical Div. - Freon C-318 and nitrous oxide mixtures available for use in aerosol packaging	Oct. 14	124
Oxygen unit at Huron, O. will supply Du Pont's new methanol unit	Sept. 23	17
Plans nitrogen-oxygen plant at Beaumont, Tex.	Dec. 9	18
Secondary offering involves distribution of stock held by an unidentified institution	Oct. 14	32
Air Reduction Pacific Co. - hydrogen gas production unit to be built at Richmond, Calif.	Oct. 28	26
Hydrogen plant at Richmond, Calif. will use palladium diffusion system	Nov. 11	73
Richmond, Calif. air separation plant output doubled	Oct. 7	34
Aircraft and Missile Consultants - self-contained power system	July 22	54
Airkem Inc. - counter agents neutralize odors	Sept. 9	126
Plastic aerosol valve	Dec. 16	90
Albanto Oil and Gas Corp. - acquires part interest in Honolulu Oil	July 8	25
Receives favorable tax rulings on plan to acquire Republic Natural Gas Co. with four other concerns	Dec. 23	18
Albright & Wilson - sales and earnings	Sept. 2	29
Alcantara S.A. - cardboard plant built outside Rio	July 15	25
Alco Oil & Chemical Corp. - bids on government-owned site in Chattanooga, Tenn. for relocation of Philadelphia thickeners and rubber chemicals plant	Nov. 4	47
Moves into farm chemicals field via multiple merger	Oct. 28	23
Alcolac Chemical Corp. - low-foaming anionic surface-active agents called ABEX	Nov. 25	76
Project indexes determine profitability of research ventures	Oct. 14	143
Algas Fuel Supply Co. - acquires United Propane Gas Service	Nov. 18	18
Algemeene Kunstzijde Unie N.V. - Courtaulds' offer for British Enka stock accepted	Oct. 28	18
Offers shareholders of British Enka a 45% stake in British Enkanol	Dec. 9	30
Sets up joint venture with Amoco to make dimethyl terephthalate in the Netherlands	July 29	18
Allaco Products - epoxy adhesive named Minit-Cure	July 15	90
Alliance Chemical Corp. - isophthalic acids production	Dec. 2	78
Allied Chemical - adipic acid - capacity, prices and consumption	Sept. 23	95
Asphalt price-fixing suit settled	Aug. 19	68
Barrett Div. builds plant for making plastic building panels from PVC resins	Nov. 4	47
Chemicals from wood veneer with Georgia-Pacific	July 29	20
"Community Events" bulletin promotes good community relations	Oct. 28	54
Naphthalene cargo from Poland destroyed in freighter fire	July 8	83
National Aniline - isocyanate plant for chemical paint	July 8	17
National Aniline Div. - research lab edition at Buffalo, N.Y.	Aug. 19	48
Nitrogen Div. - nitrogen tetroxide plant to be built at Hopewell, Va.	July 15	26
Nitrogen products - prices	Dec. 23	45
Petrochemical complex to be built at Geismar, La. with Union Texas Nov. 18-9	Nov. 25	25
Phenol venture with Georgia-Pacific off	Aug. 5	38
Phenol venture with Georgia-Pacific still under consideration	July 29	10
Phthalic anhydride plant to be built on West		

Coast using Von Heyden-Chemiebau process	Aug. 12	45
Plastic Division - polypropylene marketing plans	Oct. 7	25
Plastics specialist predicts entire plastic houses by the '80's	July 15	23
Polyether plant may be built on West Coast	July 8	17
Polyethers production under way at Baton Rouge, La.	July 8	87
Sales and earnings July 15-17, July 22-17	Oct. 21	17
Solvay Process Div. - expansion of dense soda ash plant at Baton Rouge, La.	Dec. 9	30
Trona project in Wyoming is progressing	Sept. 9	34
Union Texas merger stirs buy-or-produce debate on feedstocks	Dec. 2	24
Union Texas Natural Gas merger proposed	Nov. 25	17
Union Texas Natural Gas merger - stock exchange approved	Dec. 30	12
Wage increase and pension plan approved	Aug. 12	57
Allied Chemical Canada, Ltd. - toluene diisocyanates venture Oct. 21-18	Nov. 11	98
Allied-Kennecott Titanium Corp. - primary metal (sponge) project	Oct. 28	23
Allied Research Products - cadmium dip	Sept. 16	54
Allis-Chalmers Wfg. Co. - grinding mill	July 22	54
Modified open motors substituted for explosionproof equipment	Aug. 5	56
Thorium-uranium fuel project with CNEN	Nov. 18	180
"Unipolar" generator may be answer to cheaper power	Nov. 11	83
Alloys Unlimited - acquires MonoSilicon, Inc.	Dec. 16	25
Altamir Corp. - acquires Archer-Daniels-Midland's equipment division	July 22	30
Altona Petrochemical Co. - ethylene and butadiene plant opens	Dec. 4	42
Aluminum Ltd. - purchases controlling interest in Aluminium Raeren S.A.	Dec. 16	25
Suspends work on Boko bauxite and alumina plant in the Republic of Guinea	Sept. 9	41
Will build sheet mill in Kingston, Ont.	July 22	27
Aluminum Raeren S.A. - Aluminium Ltd. purchases controlling interest in Aluminium Raeren	Dec. 16	25
Aluminum Huette Rheinfeiden - aluminum output	Oct. 21	106
Almagat Curacao Patents Co. - patented titanium anodes - agreement with three other firms on patents and know-how	Sept. 9	90
Amchem Products - herbicide spray mixtures developed	Sept. 9	82
Amerace Corp. - AIC Chemical Co., division, changes name to Allegheny Industrial Chemical Co.	July 22	30
Aims to boost sales via further chemical expansions	Nov. 25	23
American Agricultural Chemical - sales and earnings	Aug. 26	22
American Air Liquide - will supply equipment for Chemtron's new air-separation plant	July 29	18
American Bio-Synthetics Corp. - acquires Orthmann Laboratories	Oct. 28	40
American Can Co. - Marathon Div. - synthetic vanillin process	Sept. 16	104
American Chemical Co. - acquired by Oxford Chemical	Aug. 26	24
Will absorb chlorine output from Stauffer's Dominguez, Calif. plant	July 22	17
American Cyanamid - acrylic "paper" developed	Nov. 25	75
Anhydrous ammonia expansion at Fortier complex	July 1	14
Antibiotics anti-trust suits - FTC rules for dismissal of '58 complaint	Nov. 18	9
Antibiotics anti-trust suits - Justice Dept. charges	Aug. 26-17, Sept. 16-28	
Antineoplastic compound deceives insects to death	July 29	46
Building Products Div. to take over Wasco Products Dept.	Dec. 30	12
Central Research Div. - research projects appraised in three categories	Oct. 14	144
Cyanamid International will build antibiotics plant near Catania, Sicily	July 15	26
Develops smog-controlling catalyst muffler with Walker Wfg.	July 22	75
Electrostatic precipitator eliminates dust at Bradley, Fla. phosphate operations	Nov. 11	52
Heavy-denier acrylic fibers line	Nov. 4	102
Insecticide sales	July 22	96
Jumack, Stephen discusses goals of quality control data gatherers	Oct. 7	97
Leto, Marilyn and Joseph, researchers, seek new routes to inorganic coordination polymers	Sept. 16	33
Methyl methacrylates molding powder plant to be built in Wallingford, Conn.	Aug. 19	18
Newsletters bolster community relations effort	Oct. 28	53
Parfuran, nitrofurans compounds licensing deal with Toyama Chemical	Oct. 21	32
Preaching practical politics in the plant	Dec. 9	17
TV's "Eyewitness" sponsored by Cyanamid. Transfers operation of subsidiary, Celastec Corp., from the Wasco Products Dept. to the Commercial Development Div.	Aug. 19	27
American Dryer - Serrick Corp. acquires 20% of American Dryer's stock	July 8	96
American Enka Corp. - sales and earnings	July 15	17
Wage pact at Enka, N.C. plant	July 1	48
American Felt Co. - radiation-grafted polypropylene may be key to new nonwoven felt	Nov. 25	76
American Humates Inc. - fertilizer plant to be built at Glenrock, Wyo.	Oct. 28	26
American Hydrotherm - Indian camphor plant	Sept. 9	34
American Liquid Gas - acquired by Union Oil	July 29	16
American Latex - foam rubber operations closed down	Sept. 2	63

American Machine and Foundry Co. - Amflex Products Dept. - Fiberfilm and Amfab, two new filter fabrics	Oct. 14	127	Arab Tanker Co. - new firm headquartered in Kuwait	July 8	24	B.B. Chemical Co. - heat resistant adhesive	Sept. 9	86
Frying pan coating called Pan-Magic	Nov. 4	52	Archer-Daniels-Midland Co. - equipment division acquired by Altamir	July 22	30	Babcock & Wilcox Co. - coal-slurry combustion demonstration	Nov. 11-80	Nov. 18-179
Government research contract work	Nov. 11	105	Flexible polyester resin	July 8	99	Yoloy steel pipe and fittings	Oct. 21	110
Nuclear research reactor built for Union Carbide	Oct. 14	149	Arde-Portland, Inc. - Ardeforming, new cold stretching process increases strength of steel	Aug. 26-55	Sept. 2-57	Badger Manufacturing Co. - aromatics unit built for Cities Service at Lake Charles, La.	Aug. 19	90
Water treatment research venture with Ster-O-Matic	July 8	25	Argonne National Laboratory - Chemistry Hot Laboratory - new addition	Sept. 23	56	Oxo-alcohol plant to be built for Tidewater	Dec. 23	18
American Maize-Products Co. - prearbitration system tried out on grievance cases	Oct. 7	117	Argus Chemical Corp. - water repellent called Argus DWR	Sept. 9	86	Propylene purification unit to be built for Cities Service	Nov. 11	18
American-Marietta - Adhesive, Resin and Chemical Div. - plastic die-casting material	Sept. 16	59	Aries, R.S., & Associates - Aries, Robert faces lawsuits in U.S. and Switzerland	Nov. 23	23	Sorbothol plant to be built for Baird Chemical	Aug. 19	17
Declares special dividend in preparation for Martin merger	Oct. 7	34	Arizona Agrochemical Corp. - new company formed by merger of Arizona Fertilizer and Chemical and Southwest Agrochemical	Nov. 25	27	Badische Anilin- & Soda-Fabrik AG. - Germany's big three - report	Sept. 9	45
Pressite Div. will build industrial chemical and specialties plant at Georgetown, Ont.	Oct. 14	33	Arizona Biochemical Corp. - U.S. rights to European process to turn garbage into organic compost acquired by Seagrave	July 1	44	Germany's boom tapers off	Dec. 30	40
American Metal Climax - bases new chemical ventures on chlorine, potassium nitrate	Oct. 7	33	Arizona Fertilizer and Chemical Co. - merging with Southwest Agrochemical to form Arizona Agrochemical	Nov. 25	27	Joint company formed to produce polystyrene in Japan	Dec. 30	40
Sales agreement with Cerro terminated	July 15	42	Armetco, Inc. - columbium-zirconium wire is key to super-conducting magnet	Sept. 30	79	Will build polystyrene plant with R.A. Cole at Thana, India	July 15	26
American Motors Corp. - Dowgard Full-Fill Coolant to be used in '62 model cars	Sept. 2-22	Sept. 16-71	Armour and Co. - borrows \$32 million to finance chemical growth	Sept. 9	39	Baird Chemical Industries Inc. - Barlow Chemical merger	Aug. 19-18	Sept. 30-25
Isorapid, R.H., comments on industry efforts to develop auto exhaust devices	Sept. 2	26	Armour Industrial Chemical Co. - anionic surface-active agents called Amosul	Sept. 16	54	Sorbothol project details	Aug. 19	17
American Oil Co. - anhydrous ammonia plant to be built at Texas City, Tex.	Nov. 11	26	Armour Research Foundation - awarded contract to establish industrial research in the Philippines	July 22	47	Thioure: production slated for Peoria, Ill. plant	Nov. 4	140
Employee retraining program	Sept. 30	43	Inorganic membrane developed for use as an electrolyte	Oct. 7	84	Baltimore Paint & Chemical - acquired by Serrill Corp.	July 8	96
Ethylene/propylene project to be built at either Whiting, Ind. or Joliet, Ill.	July 15	17	Armstrong Cork Co. - strike settled	Nov. 23	30	Bankers & Merchants, Inc. - permanently inked porous rubber stamps	Nov. 25	86
Explosive charges demolish refinery	July 8	72	Arvin Industries - muffler-type smog-control devices will appear on '64 autos, says H.B. Foulke	Nov. 4	44	Barber-Colman Co. - Industrial Instruments Div. - gas chromatography research centers at Houston, Tex. and Rockford, Ill.	Oct. 21	95
First all-gas turbine cat cracking plant in the U.S.	Dec. 30	52	Asahi Paint - Japanese team surveys U.S. and Canadian markets	Sept. 9	100	Barber, W.H., Chemical Co. - plans to merge with American Mineral Spirits Co., a division of Pure Oil Co.	Dec. 9	30
May build petrochemicals plant in Chicago area	July 22	29	Ashland Oil - cyclohexane plant may be built at Cattleburg, Ky.	July 1	13	Barcolene's - Cloud 9 fabric softener - sales spurt for fabric softeners	Dec. 30	36
Whiting, Ind. crude-oil unit running under closed-loop control of IBM 1620	July 29	46	Petrochemicals to be supplied to Sherwin-Williams phthalic unit	Oct. 28	18	Barlow Chemical - Baird Chemical merger	Aug. 19-18	Sept. 30-25
American Potash & Chemical Corp. - acquires Naval Industrial Reserve Ordnance Plant at Henderson, Nev.	Dec. 23	19	Aspen Corp. - detergent tablet	Oct. 21	56	Barwick, E.T., Mills - polypropylene tufted carpeting debut	Dec. 16	118
Leading contender for Navy-ordered ammonium perchlorate unit at Henderson, Nev.	Nov. 18	16	Assam Gas Co. - ethane, propane, isobutane and pentane project approved	Aug. 12	18	Basic Products Corp. - Hevi-Duty Electric Division - power amplifier	Sept. 16	88
Manganese data deal - one link with European CPI	Aug. 19	26	Astropower Inc. - research and development center to be built at Costa Mesa, Calif.	July 29	29	Battelle Memorial Institute - develops lighter steel drums	July 1	26
National Northern Div. acquired by Atlantic Research	July 22	30	Astrosonics Inc. - sonic nozzles promise lower cost spray-processing	July 15	95	Direct conversion of fission energy into electricity under study	July 22	75
Titanium dioxide joint venture with LaPorte may be built at Mojave, Calif.	Aug. 19-26	27	ATCO Chemical-Industrial - earnings down 5.8%	Aug. 26	18	James, George W., forecasts research expenditures for '62	Oct. 28	67
Titanium dioxide plant at Mojave, Calif. will probably use sulfate process	Sept. 9	90	Ateliers de Construction Electrique de Charleroi - French-Belgian nuclear power plant contract	Oct. 21	68	Bauer Bros. Co. - air-attrition mill	July 8	53
American Resin Corp. - liquid graphite lubricant	Dec. 9	85	Atlantic Refining Co. - catalyst-cleaning process uses ion-exchange principles to remove metallic poisons	Dec. 9	93	Beckman Instruments Inc. - monitoring systems for atmospheric pollutants installed for six U.S. cities	Oct. 14	98
American Scientific Supply - acquired by Foster D. Snell	Aug. 26	24	Atlantic Research Corp. - acquires capital for expansions by selling 115,000 shares of its stock to Television-Electronics Fund	Aug. 26	24	Scientific and Process Instruments Div. - metering pump	Sept. 30	38
American Smelting & Refining - fluid coke tried out in East Helena, Mont.	Aug. 12	46	Acquires National Northern Div. of American Potash and Chemical	July 22	30	Beleg, P&S - acquires International Flavors & Fragrances stock	Oct. 14	32
phosphorus smelter	Aug. 8	18	Encapsulation of solid rocket propellants - research work	Aug. 26	56	Bell Telephone Laboratories - columbium-tin and columbium zirconium superconductor research	Sept. 30	79
"Mexicanize" deal almost complete	July 22	92	Gelling process for solid fuels	July 1	21	Method for making quartz suitable for crystals	Dec. 9	99
Switches to cheaper raw material for producing zinc dust	July 8	25	Slurry fuels development contract	Aug. 5	100	Neodymium in calcium tungstate - new solid-state maser material	Oct. 21	72
Water treatment research venture with Ster-O-Matic	July 8	25	Atlas Chemical Industries - borrows \$18 million for expansion	July 29	19	Ruby laser used as light source in photo-graphing potassium titanate crystals	July 29	45
American Standard - Controls Div. - pressure gauge	July 8	55	Glycerin production	Oct. 21	103	Superconducting magnet research	Nov. 25	51
American Viscose Corp. - Avicel edible cellulose product plant to be built at Newark, Del.	Sept. 16	30	Solvent purifier called Darco Coin-Op Blend	Sept. 30	62	Vanadium-gallium superconductor material	Nov. 18	175
Labor peace formula	Sept. 2	35	Atlas Powder of Canada - sorbitol plants stymied by Howards' plans to enter field	Nov. 4	38	Bemis Bros. Bag Co. - automatic system for filling and closing multiwall and polyethylene bags	Nov. 25	40
American Well Works - oxidizer-aerator, called Mechanicomb, for treatment of sewage and industrial wastes	Sept. 30	38	Sorbitol unit will be built	Nov. 11	17	Disposable box with pliable film liner called Liquatainer	Sept. 9	86
Ammoniacque Synthetique et Derives (ASED) - Cities Service acquires "substantial" interest in ASED	Oct. 14	26	Atomic Energy of Canada Ltd. - nuclear waterproofing of textiles	Nov. 11	73	Berry Refining Co. - prearbitration system used in grievance cases	Oct. 7	123
Amoco Chemicals Corp. - acquires minority interest in Funkhouser Chemical	July 15	26	Atomics International - columbium-zirconium alloy research	Sept. 30	79	Beryllium Resources, Inc. - flotation process will be used to recover beryllium	July 1	35
Polystyrene venture shelved	Aug. 12	53	Aurora Gasoline Co. - benzene-toluene facilities for Detroit	Nov. 4	47	Von Dornick process licensed to Standard Beryllium	Aug. 19	26
Amoco International, S.A. - sets up joint venture with AKU to make dimethyl terephthalate in the Netherlands	July 29	18	Australian Fluorine Chemicals - will purchase carbon tetrachloride from ICI	Nov. 11	26	Bessemer Limestone & Cement Co. - merger with Diamond Alkali	Aug. 5-37	Aug. 26-23, Sept. 16-30
Amorg - U.S. firm acquires rights to 50-70 Soviet patents	July 22	27	Australian Synthetic Rubber Co. - SBR synthetic rubber plant opens	Dec. 2	42	Best Fertilizer Co. - labor agreement	Nov. 4	70
Anacostia Co. - beryllium claims to be purchased from Topaz Beryllium	Oct. 28	26	Automatic Cafeterias for industry - vending machine dispenses proprietary drugs and sundries	Dec. 2	53	Bethlehem Steel Corp. - electrostatic pre-cipitators eliminate red smoke leaving stacks of open-hearth furnaces	Nov. 18	182
Anacostia Aluminum - primary aluminum boost	Dec. 2	22	Automation Industries - fluid-flow-measurement with radioisotopes	Oct. 21	72	Biddle Sawyer Corp. - Enzyme Development Corp. - new division	Oct. 21	95
Wage hike	Nov. 18	162	AviSun Corp. - ethylene-propylene rubber test marketed	Sept. 23	90	Blinks Manufacturing Co. - pump for light or heavy corrosive chemicals	Sept. 30	38
Anacostia American Brass Co. - research center dedicated at Waterbury, Conn.	Oct. 14	149	High-slip polypropylene film for high-speed packaging machines	Nov. 25	38	Spray gun	Dec. 9	85
Strike settled	Nov. 18	162	Modified polypropylenes	Sept. 16	54	Bio-Rad Laboratories - ion-exchange resins family - new entries	Oct. 28	68
Anacostia Copper - steel from copper slag heaps	Dec. 16	89	Polypropylene fiber on pilot-plant basis	Dec. 2	22	Bishop Oil Co. - Canadian subsidiary to be sold to Shell Oil; Flintkote stock to be distributed	Sept. 2	29
Anchor Chemical - polymers and resins plant to be built with Marbon Chemical	Oct. 21	26	Polypropylene film prices	July 1	51	Bituminous Coal Research, Inc. - consolidating Columbus and Pittsburgh activities at new research center in Monroeville, Pa.	Oct. 21	95
Anchor Hocking Glass Corp. - research and engineering center in Lancaster, O.	Oct. 28	40	Polypropylene news: biaxially oriented film marketing; Japanese textile fiber venture	Sept. 30	93	Blane Chemical Corp. - New name of Blane Corp.	Nov. 25	27
Anson Chemical Corp. - joint venture of Ansol and Conoco starts methyl chloride project	July 29	16	Polypropylene plant at New Castle, Del.	Dec. 30	58	Blaw-Knox Co. - Chemical Plants Div. Driskell, L.R. calculates savings from steam distribution system	Aug. 26	78
Angelique Co. - sun tan lotion in a sponge	Sept. 9	96	Avril of Florida Inc. - acquired by Oxford Chemical	Aug. 26	24	Moroccan fertilizer project scandal	Oct. 21	23
Angelo Bros., Ltd. - alcuric acid is available in commercial quantities	July 29	29	Ayest, McKenna & Harrison - Gaudy, Roger, opposes tax boosts for Canadian research	July 29	23	New grating has greater load-bearing capacity	July 8	53
Anic - Milan - core of Italy's CPI - Behind the news	July 1	5	Ayco Chemical Co. - premiums, services, education help fatten fertilizer sales	Oct. 28	61	Polyvinyl chloride plant to be built for Cary Chemicals	Sept. 2	29
Anken Chemical & Film Corp. - capital expenditures budget increased	July 22	30	Azufrera de Veracruz - reorganizes, shaves sulfur production costs by \$4/ton	July 15	104	Will build methyl chloride plant for Ancon Chemical	July 29	16
Ansol Chemical Co. - Ancon, joint venture of Ansol and Conoco, starts methyl chloride project	July 29	16				Block Drug Co. - Sensodyne, new dentifrice treats hypersensitive teeth	Sept. 23	60
Applied Science Laboratories, Inc. - fatty acid derivatives and neopentyl glycol adipate polyester available	July 15	72				Boeing Co. - Associated Products - plastic die-casting material	Sept. 16	59
Solid support for preparing column packings for gas chromatographs	Nov. 4	88				Cadmium and titanium alloy plating processes licensed from Toyo Metal	Oct. 21	64
Aquaflam - joint venture of Momingstar-Paisley and Watson Flour, will market Methocel and water-soluble starch films	Oct. 21	61				NASA space booster contract	Dec. 23	20
Arab Potash Co. - potash project on the shore of the Dead Sea	Nov. 18	18				Thickness gauge licensed to Twin City		

Testing	Oct. 28	92	Cabot Corp. - cross-linking polyolefins and carbon black developments	Dec. 23	40	acetate gasoline additive	Nov. 25	23
Bogert, A.Z., Co. - bird repellent called "4-The-Birds"	Oct. 21	56	Titanium dioxide production planned, tetrachloride approach to be used	Sept. 9	89	Celanese Polymer - cellulose acetate molding compounds and flakes - prices	Oct. 14	123
Bolton, John W. & Sons, Inc. - Emerson Mfg. Co. markets Dualator mixer	Nov. 4	168	Caldwell Chemical Coating Corp. - plans unit at Fayetteville, Tenn.	Nov. 25	84	Celanese Polymer Co., a division, opens polymer and plastics lab at Clark, N.J.	Nov. 11	111
Bon Ami - engages Overseas Management Services to operate its International division	July 22	84	California Chemical Co. - Grady, H.J., member of board of directors of National Agricultural Chemicals Assn.	July 15	46	Computer controlled primary oxidation units at Bishop, Tex.	Nov. 18	175
Bonne Belle Cosmetics - waterless washup	Dec. 16	32	California Chemical Co. - Oronite Div. - phenol capacity at Richmond, Calif. plant	July 29	10	Formaldehyde line revamped, sells only stabilized grades	Sept. 30	104
Bonville Ltd. - potassium chloride expansion	Nov. 11	26	Oronite Div. will build phthalic anhydride plant in Perth Amboy, N.J.	Aug. 12	45	Moves headquarters to 522 Fifth Ave.	July 15	26
Borden Co. - sold debentures to finance chemical projects	Dec. 16	22	Oronite - o-xylene exports to Japan	Oct. 28	81	Testing device measures tensile properties of single fibers	Oct. 14	97
Borden Chemical Co. - alum production-marketing venture with North American Coal	Oct. 7	106	Phthalic anhydride marketing plans are crystallizing	Oct. 14	124	Celene, S.P.A. - amines plant planned at Priolo, Sicily	Dec. 30	40
Aluminum foil coating called Glassine	Sept. 16	54	Reorganizes, puts emphasis on marketing	Nov. 11	39	Celtext - Rhone-Poulenc and Celtext will merge man-made textile and plastics operations	July 22	18
Formaldehyde maker calls for stabilized-grade markets	Sept. 30	104	California Corporation for Biochemical Research - expansion program includes establishment of Calorganic Div.	July 15	72	Central Butane Co. - Diversa Inc. acquires more than 70% interest	July 29	16
PVC packaging film, Resinite VF-70, for food items	Aug. 5	47	California General, Inc. - Fletcher, Fred, suggests deep-sea pressure to density and cure large plastic "skirts" used in thrust nozzles for big rocket motors	July 29	45	Central Farmers Fertilizer - ammonia plant to be built in Illinois or Indiana	Oct. 7	26
Research lab opened in Springfield, Ore.	Sept. 16	93	California Research Corp. - fluid-flow measurement licensing arrangement with Automation Industries	Oct. 21	72	Central Soya Co. - acquires soybean crushing plant from Tectron's Spencer Kellogg Div.	Nov. 4	47
Specialty ink division formed	Dec. 30	12	Isomax, new hydrogen cracking process developed with Universal Oil	Nov. 25	75	Cepco - petrochemical venture with Jersey Standard dropped	Oct. 28	18
Urea-formaldehyde and phenol-formaldehyde resins for North Bay, Ont. area	Dec. 23	14	Research facilities expansion at Richmond, Calif.	Aug. 19	46	Cerro Corp. - Bridgeport Brass joins Cerro in feasibility studies on proposed aluminum reduction plant for Wauna, Ore.	Aug. 26	22
Border Chemical Co. - adds ore roaster, eyes fertilizer field	Sept. 2	27	California Texas Oil Co. - Indian government's new oil product pricing rules controversy	Dec. 9	36	Common stock offerings	Oct. 14	32
Borg-Warner Corp. - Marbon Chemical, a div., will build styrene monomer plant at Baytown, Tex.	Nov. 11	17	Calley Chemical Co. - Air Force has decided to continue boron fuels research program	Oct. 7	46	Increase in shares of common stock	Dec. 9	30
Rome Chemical Co. - adds to capitalization structure, prepares for new chemical ventures	Aug. 5	49	Awarded contract for continued production of pentaborane	Dec. 16	25	May build primary aluminum reduction operation at Wauna, Ore.	July 8	18
Borne-Lite - cast acrylic sheets in full-scale production	Aug. 5	152	Caltex Oil - Isocracker to be included in Frankfurt refinery	Oct. 7	26	Cerro Sales Corp. - handling all its own sales operations	July 15	42
Bowaters Southern Co. - newsprint mill located in Tennessee River Valley	Sept. 9	39	Petroleum refinery in the U.K. will be a joint venture with Texaco	Nov. 11	26	Champion Paper and Fiber Co. - Alaxol used to control odors in stack gases	Sept. 9	125
Brand Plastics - polystyrene plant onstream at Willow Springs, Ill.	Aug. 12	53	Cambridge Filter Corp. - separator type gas filter	July 15	98	Polyethylene extrusion coating addition to be built at Waynesville, N.C.	Oct. 5	51
Braunschweigische Maschinenbauanstalt - polyethylene plant to be built in Pakistan	Sept. 30-25, Oct. 21-32		Cambridge Wire Cloth Co. - flat wire belting	July 22	54	Chandler Evans Corp. - anti-icing additive injector	Oct. 7	99
Bristol Laboratories - penicillin - new oral penicillin called Prosthaphlin	Oct. 14	98	Cameo Cosmetics - new firm offers cosmetics for non-Caucasian women	Nov. 25	84	Chelco, Inc. - iron chelate	Dec. 23	25
Bristol-Myers - antibiotics anti-trust suits - FTC rules for dismissal of '58 complaint	Nov. 18	9	Camphor & Allied Products, Ltd. - camphor plant to be built near Bareilly, India	Sept. 9	34	Chemalloy Minerals Ltd. - beryllium mining operations slated for Bemis Lake, Manitoba	Aug. 19	26
Antibiotics anti-trust suits - Justice Dept. charges	Aug. 26-17, Sept. 16-28		Canada Dugphar Pharmaceuticals Ltd. - joint venture of Phillips-Duphar and John Labatt has bought out Charles R. Will & Co.	Aug. 5	51	Chematar Pine Products Corp. - Meyer, H.L., predicts world rosin outlook	Nov. 11	102
British Aluminum Co., Ltd. - cell operation in aluminum production approved 15%	Dec. 16	89	Canadian Aniline and Extract Co. - acquired by Hopco Chemical Canada	Dec. 2-54, Dec. 9-30		Chembarge, Ltd. - sulfuric acid tanker for Great Lakes	Oct. 28	62
British-American Oil Co. - helium well is located near Wood Mountain, Canada	Nov. 11	25	Canadian British Aluminum - aluminum expansion at Bale Comeau smelter	Aug. 19-17, Aug. 26-22		Chemtron Corp. - air-separation plant onstream at Dallas, Tex.	Dec. 23	46
Petrochemical project at Varennes, Que. to be joint venture of B-A and Shawinigan Chemicals	Aug. 12	22	Canadian Hanson & Van Winkle - enters field of direct application of urethane rigid foam	July 8	96	Carbon dioxide price fixing suit	Sept. 16-78, Nov. 25-24, Dec. 2-29	Dec. 23 13
Shawinigan Chemicals acquisition - details	Aug. 26	18	Canadian Husky Oil Ltd. - phosphates deal with IWC	Nov. 11	17	Contempt-of-court case	Sept. 16-78, Nov. 25-24, Dec. 2-29	Dec. 23 13
British Drug Houses Ltd. - gives 35% voting interest to Mead Johnson in return for \$14 million loan	July 8	25	Canam Industries Ltd. - ammonium nitrate/fuel oil blasting mixtures - prices and expansions	Nov. 25	106	Companion civil suit	Dec. 30	10
Stockholders reject Warner-Lambert bid, approve terms offered by Mead Johnson	Aug. 12	23	Chlorine-caustic venture for Newcastle, N.B. area	Sept. 30-18, Oct. 21-22		Charges Alcoa with intent to induce a breach of contract between Chemtron and Florida Steel	July 15	23
British Enka - merger negotiations with Courtaulds	Oct. 28	18	Deep-water dock facilities built by Hamilton (Ont.) Harbor Commission eliminate transport costs	Dec. 16	42	Girdler Process Equipment Div. changed to Votator Div.	Dec. 30	12
British Enkalon - AKI offers shareholders of British Enka a 45% stake in Enkalon	Dec. 9	30	Hydromex, ammonium nitrate slurry laboratory expansions	Oct. 7	111	National Cylinder Gas Div. - air-separation plant at Tampa, Fla.	Nov. 18	18
British Oxygen Canada - reorganized marketing operations under Canadian Oxygen Ltd.	Dec. 2	30	Plastic film production	Oct. 21	40	National Cylinder Gas Div. will build an on-site air-separation plant at Dallas, Tex.	July 29	18
British Paints (Holdings) Ltd. - merger with International Paints (Holdings) called off	Oct. 14	33	Polyesters for tire cord - adhesion problem research	Aug. 19	77	Tube Turns Div. - United Steelworkers renew efforts to organize employees	Nov. 4	74
Merger with International Paints (Holdings) Ltd. planned	Sept. 2	29	Trinitrotoluene (TNT) plant to be built at Beloit, Que.	Sept. 30	94	Chemica Sarda, S.p.A. - joint venture of PPG International and Rumianca, will make glycerine, ethylene dichloride and other chemicals	Oct. 14	26
British Petroleum Co. Ltd. - Fuel cell R&D combine formed with three other concerns	Nov. 11	106	Canadian International Paper Co. - labor agreement	Nov. 4	74	Chemical and Industrial Corp. - ammonium nitrate plant design case	Nov. 18	159
Will build p-xylene plant with California Standard at Dinslaken, West Germany	July 15	26	Canadian Oxygen Ltd. - British Oxygen Canada's new marketing organization	Dec. 2	30	Chemical Construction Corp. - building nitric acid unit for Cooperative Fam Chemicals	July 22	29
British Ropes Ltd. - Fuel cell R&D combine formed with three other concerns	Nov. 11	106	Canadian Salt Co. - rock salt to be purchased by CIL	Oct. 21	22	Naphtha-reforming process for making hydrogen	Oct. 21	61
Brookhaven National Laboratory - high-intensity-radiation development laboratory	Sept. 23	56	Salt refining and processing plant at Pugwash, Nova Scotia	Sept. 16	30	Redesigning Nihon's urea plant for total recycle process	July 8	58
Brookpark, Inc. - establishes working relationship with Reichhold	Aug. 12	20	Carbic-Hoechst Corp. - pigment dyestuffs	Nov. 11	92	Sulfuric acid plant installed at Transcona for Borden	Sept. 2	27
Brooks Instrument Co. - flow-rate controller	July 8	55	Carbolite Co. - high-build urethane coatings system	Sept. 9	86	Will build urea solution plant for Escambia Chemical Corp. of Singapore Ltd. - will build sulfuric acid plant	July 8	83
Brown & Root - vinyl acetate plant to be built for National Star	Oct. 21	17	Carbonum Co. - Fiberfrax, new ceramic fiber filter	Oct. 14	128	Chemical Marketing and Research Co. - plastic foam market predictions by James Margolis	Dec. 9	30
Brown Fibre Co. - heat exchanger	Aug. 19	62	Carey Salt Co. - rock salt antitrust case	July 22	36	Chemical Natural Resources, Inc. - Venezuelan project for converting underground steam to electricity	Oct. 14	97
Brown Mud Co. - Soil Sealer reduces water losses	Sept. 30	74	Safe-T-Salt, salt-trust inhibitor mixture	Oct. 28	46	Chemical Process Co. - acquisition by Diamond Alkali July 8-18, Aug. 5-37, Aug. 12-17	Aug. 26	23
Brown Rubber Co. - sells building and land to Nopco	July 15	26	Carlson Products - acquires Warren Molded Plastics	Dec. 23	14	Stockholders will vote on liquidation and dissolution	Nov. 18	10
Bruce, E.L., Co. - Empire National Corp. merger	Sept. 9	41	Camdory Corp. - process simulator for industrial training programs	Sept. 30	48	Chemical Valley Fabricating Co. - sulfuric acid tanker converted from bulk canister	Oct. 28	62
Brunswick Mining & Smelting Corp. - St. Joseph Lead sells its interest in Brunswick to East Coast Smelting	July 29	18	Cartier, Wany, Paint Co. - FTC attacks selling methods	Nov. 18	40	Chemicals Refineries Corp. - p-and-o-dichloro-benzene plant at Napierville, Que.	Dec. 9	30
Brunswick Pulp & Paper Co. - awards pulp expansion contract to Stone & Webster	Aug. 19	27	Canus Chemical Co., Inc. - wage pact	Aug. 5	106	Chemionics Engineering Laboratories, Inc. - research and development facility acquired	Oct. 28	40
Expanding Brunswick, Ga. facilities	Sept. 9	41	Cary Chemicals - petrochemicals-and-plastics combine with Tenneco	Dec. 23	16	Chemiquip Co. - check valve	Nov. 4	175
Brush Beryllium Co. - intermetallic compounds called beryllides	Nov. 4	101	Polyvinyl chloride expansion program	July 8-18, July 15-18		Chemische Industrie Synres - resins and plasticizers plant under construction	Nov. 4	47
Price reductions on pure beryllium rod	Sept. 2	31	Polyvinyl chloride plant to be built near Burlington, N.J.; polymer plant slated for Midwest or Coast area	Sept. 2	29	Chemische Werke Huels AG. - computer center at Marl is most advanced set-up outside U.S.	July 15-76, July 22-54	
Bryton Chemical Co. - cure for "marketing myopia"	Dec. 2	64	Catalin Corp. - acquires Lebec Chemical and Pomar Corp.	Sept. 9	39	Large-ring compounds research	Aug. 5	94
Buckeye Cellulose Corp. - new system developed for detecting the interface in wood pulp bleaching	July 29	41	Catalytic Construction Co. - Air Products will acquire Catalytic and its parent company, Houdry Process	Oct. 21	17	Chemol Inc. - new company to build fatty acid esters plant	Sept. 30	25
Quality control testing reduced	Oct. 7	97	Faster-phased plan speeds building of Crown Central's Detol unit at Houston, Tex.	Aug. 26	50	Will make textile chemicals	Oct. 21	52
Buffalo Forge Co. - Buffalo Pump Div. - canned pump	Aug. 19	62	Hydrodealkylation unit to be built for Cities Service	Oct. 14	25	Chemoleum Corp. - Amholz, T.A., objects to ICA policy for buying fertilizer for underdeveloped countries	Nov. 18	37
Bunawerke Huels - synthetic rubber prices cut 5%	Dec. 9	101	Catalytic Construction of Canada Ltd. - will build polybutadiene unit for Polymer	July 15	26	Chemstrand Ltd. - Acrlan plant (N. Ireland) needs new acrylonitrile supply source	Nov. 11	18
Burgess-Manning Co. - snubber for blowers, compressors and engines	Oct. 28	97	CBS Laboratories - thin-film research leads to novel dry lubricant system	Dec. 30	48	Adipic acid - capacity, prices and consumption	Sept. 23	95
Burnah Shell - Indian government's new oil product pricing rules controversy	Dec. 9	36	Celanese Corp. - Aries, R.S., consultant, charged with failing to deliver data on			Chemstrand Technical Center opened	July 15	68
Burns and Roe, Inc. - working with Dorr-Oliver on phosphate drying process study	July 1	43				Nylon yam expansion at Greenwood, S.C.	July 1	14
Bzura Chemical Co. - citric plant at Fieldsboro, N.J. will start producing this month	Aug. 5	49						

Chemway Corp. - industrial park to be built by a subsidiary on Wayne Township, N.J. tract	Oct. 7	34	Puerto Rico	Oct. 14	25	move into chemicals	July 8	21
Weeco Products merger proposed	Nov. 25	27	Compagnie Internationale Generale Industriale-urethane foams venture with Houdry	Aug. 12	36	Cowles Chemical - gluconic acid and sodium gluconate to be made via catalytic air-oxidation process	Nov. 18	185
Cherokee Insurance Co. - Wilson, David K., president, named chairman of Virginia-Carolina Chemical's board	Aug. 19	18	Compagnie Algerienne de Methane - subsidiary of Conch will build natural gas liquefaction plant at Arzew, Algeria	Nov. 18	176	Crane Co. - Cochrane Div. - Crits, C.J., describes method for determining amount of organics in water	Sept. 16	64
Cherokee Securities Corp. - North Carolina phosphate area lease	Oct. 28	23	Compagnie de St. Gobain - negotiating for an interest in Gruenzweig und Hartmann AG	Dec. 9	30	Hydro-Aire Div. - bidirectional counter	Sept. 16	88
Chicago Bridge & Iron Corp. - will build tanks for Kentucky Standard's Pascagoula, Miss. refinery	Dec. 9	30	Compagnie Francaise d'Entreprises - English Channel bridge blueprints	Sept. 23	102	Yttrium-niobium-iron alloy	Dec. 9	27
Chiyoda Chemical Engineering and Construction Co. - contracting firm grows fivefold in 12 years	Nov. 25	66	Compagnie Neerlandaise de l'Azote - Delta Chemie will participate in firm's operation	Oct. 7	26	Crest Laboratories - sponge impregnated with cleaning and polishing compound	Oct. 21	52
Christiania Securities Co. - Du Pont-GM divestiture plan July 1-18, Oct. 14-51, Nov. 4-43	Dec. 30	5	Compagnie des Metaux d'Ovempelt - horizontal retort furnace distills zinc and cadmium	July 8	72	Crocker-Hanks and Co. - acrylic "paper" commercialization with Cyanamid	Nov. 25	75
Chromalloy Corp. - Fansteel licenses patents for coating refractory metals to Chromalloy	Dec. 2	29	Conch International Methane - underground storage of liquefied methane demonstrated	Oct. 21	71	Croll-Reynolds - compact steam generation unit called Hypox Combustor	Oct. 21	72
Propellex Chemical Div. - shaped explosive charges for demolition and metal cutting	Aug. 12	23	Conch Methane Services, Ltd. - liquid methane shipments from Africa to Europe - negotiations underway	Oct. 7	83	Displays Hypox Combustor steam generator at Chemshow	Nov. 4	168
Cia Iberica de Petroleos - Spanish government to acquire 50% of Iberica de Petroleos	July 8	72	Consolidated Aluminum Co. - may build plant on land acquired from TVA at New Johnsonville, Tenn.	Nov. 11	80	Crome-O-Lite Co. - spring filter	July 8	54
Ciba (India) - India's first private pharmaceutical research center	Dec. 16	25	Site near Johnsonville, Tenn. purchased for new plant	Oct. 14	26	Crompton and Knowles - Allhouse Chemical Div. Sparyl, new dyes for spandex (urethane) elastic fabrics	Sept. 2	54
Ciba Ltd. - fully dewatered benzene available	July 8	80	Consolidated Astronautics Inc. - titanium metal powder process and equipment rights acquired from United International Research	Dec. 30	8	Crossett Co. - wage agreements	Sept. 16	74
Ciba Pharmaceutical Products, Inc. - research and development purchasing system	Sept. 23	90	Consolidated Controls Corp. - pressure transducer	Sept. 9	41	Crossett Chemical Co. - wage agreement	Sept. 16	74
Ciba Products Corp. - polyamide hardeners	Aug. 12	30	Consolidated Electrochemicals Corp. - acquires 35 acres in Pomona Valley Colleges Research and Development Center	July 22	54	Crowl, Charles, Co. - acquired by Ellay Rubber Co.	Sept. 30	25
Circle Seal Products Co. Inc. - miniature valve	Oct. 7	103	Consolidated Electronics - transfer of Thompson-Hayward Chemical to Philips Electronics	Oct. 28	40	Crowl Chemical Co. - acquired by Ellay Rubber Co.	Sept. 30	25
Cities Service Co. - acquires "substantial" interest in Ammoniacque Synthetique et Derives	Oct. 14	26	Consolidated Mining & Smelting Co. - urea unit at Calgary, Alta.	Dec. 2	22	Crown Central Petroleum Corp. - faster-phased plan speeds building of Debl unit at Houston, Tex.	Aug. 26	50
Aromatics plant completed at Lake Charles, La.	Aug. 19	90	Consolidated Molded Products Co. - wage hike	July 22	29	Crown Zellerbach - bagasse pulp process demonstrated at Camas, Wash. pilot plant. Lignin liquidation process licensed from Noguchi	Aug. 5	88
Columbian Carbon merger plans disclosed	Sept. 2	21	Consolidated Systems Corp. - acquires 35 acres in Pomona Valley Colleges Research and Development Center	Aug. 5	106	10% common stock dividend	Oct. 21	64
Gas-products plant contract awarded to Hudson Engineering	Dec. 23	18	Consolidation Coal Co. - coal-slurry combustion demonstration	Nov. 11-80, Nov. 18-179		Will modernize and diversify pulp and paper mill at Bogalusa, La.	Dec. 2	21
"H-Oil" hydrocracking unit at Lake Charles, La. refinery	Dec. 9	30	Constock Pritchard - underground storage of liquefied methane demonstrated	Oct. 21	71	Cryogenics, Inc. - nitrogen level control	July 22	30
Helium plant to be built at Ulysses, Kan. under government contract Sept. 2-64, Sept. 9-57	Nov. 25	17	Consumers Glass Co. - Montreal glass plant expansion	Oct. 21	71	Offers commercial testing service for devices used in low-temperature applications	Nov. 4	175
Large-ring compounds research	Aug. 5	93	Continental Carbon - carbon black plant and labs at Bakersfield, Calif. in operation Aug. 19-90	Dec. 30	12	Crystal Tube Corp. - acquired by Spencer Chemical	July 22	45
Low-temperature absorption wins contract for natural gas fractionating plant	Dec. 23	38	Continental Chemical - acquired a new plant at Clifton, N.J.	Oct. 28	40	Curtis, Helene, Industries - acquires Lino-Paste and Plastic Cement	July 22	17
Naphthalene project at East Chicago, Ind. Sept. 9-33	Oct. 14	25	Continental Copper & Steel Industries Inc. - Niagara Falls Smelting & Refining Div. - wage increase	Dec. 2	54	Explosion investigated	Dec. 30	8
Project Oil Sand in the Athabasca area of Alberta	Sept. 16	26	Continental Oil Co. - Ancon, joint venture of Ansul and Conoco, starts methyl chloride project	Nov. 25	30	Explosion wrecks building at Chicago	Nov. 4	46
Propylene purification plant for Lake Charles, La.	Nov. 11	18	Ansol Division formed to handle anodic corrosion-control systems	July 29	16	Law suits pile up	Oct. 28	23
City Chemical Corp. - five entries	July 15	72	Natural gas processing plant to be built in Maverick County, Tex.	Dec. 30	12	Cutter Laboratories - polio suits - insurance coverage wiped out by latest verdict	Nov. 18	17
Clairel Inc. - prepares for move into other areas of cosmetics	Nov. 4	51	Potash exploration agreement with Sawyer Petroleum in Grand County, Utah	Sept. 30	25	Polio vaccine settlements	July 15	27
Clark Oil & Refining Co. - petrochemical venture considered for Chicago area	July 15	18	Potash prospecting rights in southeast Utah	Aug. 12	23	Cyanamid of Canada - antibiotics expansion at Niagara Falls, Ont.	Nov. 25	31
Clayton Mark & Co. - ball valve	Oct. 28	94	Continental Ore Corp. - teams with Harbison-Walker and Dead Sea Co. to build a magnesite plant in Israel	Aug. 5	38	Diammonium phosphate plant to be built in Niagara Falls, Ont.	Sept. 2	29
Climax Chemical Co. - sulfuric acid plant under construction at Hobbs, N.M.	July 8	53	Continental Titanium Corp. - pressure leaching; key to continuous titanium dioxide process	July 8	25	Urea plant at Hamilton, Ont.	Aug. 12	18
Clorox Chemical Co. - merger with P&G does not violate antitrust act	Oct. 21	26	Continental Wax Corp. - cold-water detergent-soap combination	Dec. 23	18	Wage increase	July 22	29
Cluett, Peabody International - forms International Research Corp. with Heberlein Holding	July 8	44	Cooper Alloy Corp. - Valve & Fitting Div. - jacketed valve	Nov. 25	30		Aug. 5	106
Coastal Chemical - nitrogen fertilizer expansion at Pascagoula	Dec. 9	63	Valve & Fitting Div. - Quickcup, new speedy coupling for thin-walled pipe and tubing	July 15-75, July 22-70				
Coca-Cola - molded linear-polyethylene six-toe carton	July 1	14	Cooperative Farm Chemicals Assn. - will build nitric acid unit at Lawrence, Kan.	Dec. 9	85			
Cole, R.A., Private Ltd. - will build polystyrene plant with BASF at Thana, India	Dec. 30	57	Corcoran, R.S. Co. - all-tantalum pump	July 22	29			
Collier Carbon & Chemical - bids for offshore California phosphate-bearing land leases	July 15	26	Corley Company - canned pump	Sept. 16	59			
Collier-Tidewater - petro-naphthalene plants for the West Coast	Dec. 30	8	Cormac Chemical Corp. - contrast control system for developing and fixing black and white films	Dec. 2	58			
Collins & Aikman - urethane foam molding process patent	Dec. 9	102	Phototypesetter	July 22	54			
Colloids, Inc. - metal finishing entry	July 8	45	Com Products Co. - plans heavier sales to industry; no switch into drugs	Nov. 25	96			
Colorado Fuel and Iron Corp. - blast furnace "F" uses natural gas and fuel oil to produce pig iron	Dec. 9	88	Coming Glass Works - establishing integrated laboratory glassware department	Oct. 7	98			
Colonguard Corp. - vinyl-coated chain-link fencing manufacturer	July 8	63	Process research center at Painted Post, N.Y.	Oct. 7	98			
Columbia Gas System - wage increase	Aug. 19	39	Corrosion Services Ltd. - tested the effect of an inhibitor on the corrosion of auto body steel by deicing salt	Sept. 2	40			
Columbia Wax Co. - germicidal cleaning chemicals for hospital use	Nov. 4	74	Cosden Petrochemical Corp. - new subsidiary of Cosden Petroleum will perform marketing advisory services	Oct. 28	48			
Columbian Carbon - Cities Service merger plans disclosed	Dec. 16	32	Cosden Petroleum Corp. - maps new ventures as chemical sales hit new high	Sept. 16	28			
Columbus Coated Fabrics Corp. - merges with Borden	Nov. 18	159	Styrene units onstream at Big Spring, Tex.	July 29	56			
Combustion and Explosives Research Inc. - Karlovitz, Bela, patents electrochemical burner that supplies heat in 3000-6000F range	Sept. 2	21	Meta-Xylene plant reportedly using Chlorination process	Sept. 16	63			
Comco Corp. - classification plant	Aug. 5	37	Courtaulds Ltd. - acquires British Enka in move to take over British rayon market	Oct. 28	18			
Comitato Nazionale per l'Energia Nucleare (CNEN) - thorium-uranium fuel project with Allis Chalmers	July 1	38	Acrylic fiber plant to be built at Lodz, Poland	Oct. 28	18			
Commercial Ink & Lacquer Co. - Borden forms company with Hawley-Monk to form specialty ink division	July 1	38	ICI bids for Courtaulds in move to strengthen fiber position	Dec. 29	39			
Commercial Solvents Corp. - Chemical and Industrial Corp. - CS ammonium nitrate plant design case	Nov. 18	180	Wilson, Sir Alan - new chairman	Dec. 16	112			
Chemical Process stock fight over, holdings sold to Diamond Alkali	Dec. 30	12	Courtaulds North America - gets set for big					
Diamond Alkali claims victory in Chemical Process fight	Nov. 18	159						
Sales and earnings	Aug. 5	37						
Monosodium glutamate production plans	Aug. 26	18						
Commonwealth Oil Refining Co. (CORCO) - considers petrochemical production	Oct. 7	32						
Naphthalene unit to be built at Ponce,	July 15	24						

Industries Corp.	Dec. 2	21	from APO-finished cotton.	Nov. 25	56	nitric acid tail gases	Aug. 26	52
Desamole Química Industrial S.A. - 50-50 joint subsidiary of Du Pont and Energia Industrias Aragonenses will produce maneb and zineb dithiocarbamate.	Oct. 7	26	Dividend rate-cutting relying on plant-by-plant cost-cutting for gain in '62 earnings	Aug. 12	17	Cellophane case compared to Carbide's P film case	Nov. 4	37
Desco International - roof coating called Desco Neolon	July 8	99	Dobackman Div. forms council with Tee-Pak to establish standards for packaged fresh ground beef	Sept. 23	26	Cellophane film prices	July 1	51
De Soto Chemical Coatings - sales and earnings	Aug. 26	22	Dow Metal Products Co. corrosion preventer	Dec. 9	40	Chambers Works - wage agreement	Dec. 13	24
Detroit Chemical Industries - plunges into coal-operated dyelining business	Sept. 30	22	Dowdown Full-Fill Coolant to be used in American Motors 62 model cars	Dec. 30	37	Chemicals Dept. - antiblocking agent	Dec. 16	90
United Auto Workers moves to organize workers	Nov. 4	74	DowSmith will make and market reinforced plastic pipe and electrical equipment	Dec. 30	7	De-ciser for windshields, nonsmearing	Dec. 16	90
Deutsche Shell - Godorf refinery fire	Dec. 9	36	Epoxy resins cut maintenance costs at Freeprest, Tex. plant	Nov. 4	170	Du Pont-GM case - divesture plan sought	Dec. 2	29
Devcon Corp. - frying pan coating called No-Stick	Nov. 4	52	Glycerin production	Oct. 21	103	Du Pont-GM case - new legal maneuvers could start avalanche of private suits	Nov. 4	43
Devco & Reynolds - sales and earnings	Dec. 30	55	Houston inventor files Dowgard complaint with FTC	Sept. 16	71	Du Pont-GW case - tax-easing bills July 29-19, Aug. 5-61, Aug. 26-30, Sept. 2-32, Sept. 16-48, Sept. 23-44	Oct. 7	45
Diamond Alkali - acquires Fiber Chemical Corp.	Sept. 30	17	Industrial Service Div. - packaged trickle filter plant offered to test out waste-treatment program	Sept. 16	71	Employee retraining program	Sept. 30	43
Bessemer Limestone merger Sept. 16-30, Chemical Process stock fight and acquisition July 8-18, Aug. 5-37, Aug. 12-17, Aug. 26-23, Nov. 18	Oct. 19	18	Latex peace formula	Sept. 2	35	Ethylene-propylene rubber advances	Sept. 16	64
Electrolytic caustic-chlorine plant to be built in Cubatão, Brazil	Aug. 19	18	Labex 630 and S-3352 approved by FDA for use in contact with food	Oct. 21	56	Ethylene-propylene rubber test marketed	Sept. 23	90
Research lab dedicated in Concord Township, Ohio	Nov. 11	111	Licensed French process for cross-linking polyolefins and carbon black	Dec. 9	71	Exxon's Richmond, Va. polyethylene film plant	July 15	18
Rock salt antitrust case	July 8-44, July 22-36		Paper reeled called Hybel 550	Sept. 2	51	FFC approves Ohio Fuel Gas' plans to build a natural gas pipeline extension to Du Pont's methanol plant at Huron, O.	Sept. 9	33
Texas plant site may be sold to National Starch for vinyl acetate plant	Aug. 5	37	Pentachlorophenol production at Fort Saskatchewan, Alta.	July 22	92	Forms 50-50 subsidiary with Spain's Energia Industrias Aragonenses to produce maneb and zineb dithiocarbamate	Oct. 7	26
Weed-killer suit settled	Sept. 23	34	Penton lining added to pipes, valves, fittings and pumps	Sept. 2	60	Freon C-318 approved for use as a propellant in aerosol food containers	Oct. 14	124
Western division formed	Dec. 16	25	Petrochemicals plant to be built at Somorostro, Spain	July 8	25	German textiles venture	Nov. 4	44
Diamond Crystal Salt Co. - rock salt antitrust case July 8-44	July 22	36	Phenol capacity at Kalama, Wash. plant	July 29	10	Gordon, Wallace, new chief of Industrial, Biochemicals Dept.	Nov. 25	26
Di-Nal Chemical Arts - Minnesota Mining and Mfg. negotiations	Oct. 21	26	Phenol capacity at Kalama, Wash. plant	Dec. 23	45	India's synthetic camphor project	Sept. 9	34
Disgrin Industries - urethane seals	Aug. 5	56	Polyethylene price offered as part of direct-mail campaign	Dec. 16	117	Isocyanates unit to be built at Waydown, Northern Ireland	July 8	17
Distillers Co. Ltd. - polyethylene price cut	Sept. 16	94	Rehabilitating magnesium production units at Freeprest, Tex.	Sept. 30	107	Japanese company charged with airtel plastic infringement	Dec. 23	39
Diversa Inc. - acquires more than 70% interest in Central Butane	July 29	16	Rehabilitating magnesium production units at Freeprest, Tex.	Dec. 9	18	Joins Carbide in marketing polyethylene film in Canada	July 29	56
Dixie Chemicals - custom-processing fractionating unit in use at Houston, Tex.	Nov. 25	106	Research labs under construction at Walnut Creek, Calif. and Freeprest, Tex.	Aug. 19	46	Mechanical research activities lab to be built near Wilmington, Del.	Oct. 21	95
Dixon Chemical & Research - issues new securities as business upturn continues	July 1	17	"Rising mull" may key to dyeability of Zelfran acrylic fiber	July 8	57	Metalized unit at Huron, O. will purchase oxygen from Airco	Sept. 23	97
Dixon Chemical Industries - hydrofluoric acid shipments from Paulsboro, N.J. plant	Nov. 18	185	Salaried employees may earn cash awards	Dec. 2	62	Mylar polyester film for make-and-fill packaging equipment	Nov. 25	40
Issues new securities as business upturn continues	July 1	17	Sales and earnings	Aug. 12-17, Oct. 21-17		New York World's Fair contract for space Niagara Falls, N.Y. employees reject International Assn. of Wachtinists	Dec. 2	65
Dixon Corp. - anti-stick agent called Rulon	July 15	91	Stabilized methylene chloride aims for use in pressurized paints	Oct. 28	67	Oilfield pipe from Delrin acetate resin to be produced at pressed Tullahoma, Ohio, plant	Aug. 19	27
Dixon, W. L. - Dominguez Fertilizers, joint subsidiary of Shell, Stauffer and Dixon	Nov. 11	95	Temporary salesmen help launch Dowgard	Dec. 30	20	Orion acrylic fiber plant in the Netherlands nears completion	July 8	17
Dome Petroleum Ltd. - Steelman Gas, managed by Dome, will build hydrocarbon extraction plant near Edmonton, Alta.	Sept. 16	30	Texas Div. offers metal-bleaching and galvanizing services to Gulf Coast industry	Dec. 2	30	Pay hike at Martinsville, Va. nylon plant	Sept. 23	36
Dome Petroleum Ltd. - Steelman Gas, managed by Dome, will build hydrocarbon extraction plant near Edmonton, Alta.	Sept. 16	30	Texas plants clean up after Hurricane Carla	Sept. 23	22	Photopolymer printing plates	Oct. 21	64
Domestos Ltd. - Pinoya subsidiary accounts for 20% of England's detergents sales	Aug. 26	18	Thermoplastic packing for gas-liquid contact systems called Maspac	Oct. 14	98	Plastic foam market predictions by John Tallman	Sept. 30	98
Dominguez Fertilizers - begins operations at Dominguez, Calif.	Nov. 11	95	2, 4 herbicide marketed in Canada	Nov. 4	140	Potential campaigning will be permitted at plant gates	Nov. 11	53
Dominion Foundries & Steel, Ltd. - injected fuel oil into blast furnace	July 8	65	Dow Chemical International - overseas sales force	Sept. 9	72	Polyester film price cut	Dec. 30	57
Dominion Rubber Co. - Merchants Rubber plant - wage hike	Sept. 16	74	Dow Chemical of Canada - Chlorothene (methyl chloroform) will be made at Samia, Ont.	Aug. 19	90	Polyethylene patent suit against Phillips settled out of court	Sept. 2	27
Naugabuck Chemicals - pentachlorophenol production at Resonator, Alta.	July 22	92	Phenol export to Japan likely	Aug. 12	54	Product information centers help ring up sales	Sept. 16	73
Naugabuck Chemicals pushes for tariff against imports of herbicides made in the U.S.	Nov. 4	139	Plastic film production plants	Oct. 21	40	Sales and earnings July 15-17, July 22-17	Oct. 2	17
Naugabuck Chemicals - vinyl plastisols - prices	Nov. 4	140	Smithers, L.D., favors U.S.-Canadian economic union	Oct. 28	25	Sales and earnings records seen in '62	Dec. 9	201

East Wall Street Corp. - receives favorable tax ruling on plan to acquire Republic Natural Gas Co. with four other concerns	Dec. 23	18	European Research & Development Corp. - files charter of incorporation in Dover, Del.	July 29	29	chemical project	Nov. 25	27
Eastern Stainless Steel Corp. - subzero working of stainless steel	Sept. 2	59	Evans Chemicals, Inc. - biodegradable acid, an antioxidant, available in commercial quantities	Aug. 5	96	Fish International Corp. of Panama - Argentine petrochemical complex to be built for Petroquímica Argentina	Nov. 25	27
Eastman Chemical Products - high-slip coating	Oct. 21	54	Evenco Coppee & Cie. - Cities Service acquires interest in Coppee's Ammoniacque Synthétique et Derives	Oct. 14	26	Fisons, Ltd. - fertilizer sales drop	Nov. 11	26
Lost-cost polyethylene resin grade	Dec. 23	34	Excelsior Industrial Corp. - high-speed mixer	Sept. 16	88	Nitrogen factory in Flixborough, Lincolnshire expanded	Aug. 5	51
Move to bring sales of substandard polyethylene into the open	Dec. 2	67	Exolon Co. - strike settled	Nov. 25	30	Pest-control products to be made and marketed in U.S. and South America	Nov. 18	14
Polyester fiber dye - orange	Dec. 2	54	Extrudo-Film Corp. - Enjay merger negotiations	Oct. 28	17	Fitchburg Paper Co. - nuclear process steam may get a tryout in paper industry	Aug. 12	46
Polyethylene spill-pricing	Dec. 9	102				Flanders Filters, Inc. - separator type gas filter	July 15	98
Solvent-free glycol	Dec. 9	71				Flatow, R.E. - specialty chemical distributor's transition into specialties manufacture	Dec. 9	77
Eastman Kodak - wage dividend to employees	Dec. 2	62				Flexicraft Industries - acquired by Spencer Chemical	July 22	17
Edison Co. - dicyanamide process licensed from Japan Carbide	Oct. 21	64	Faberge, Inc. - enters cosmetics field	Nov. 25	84	Flintkote Co. - Bishop Oil will distribute its Flintkote holdings	Sept. 2	29
Milan - core of Italy's CPI - Behind the news	July 1	5	Fabric Research Laboratories, Inc. - Burr, Francis, delivers paper on wash-and-wear finishes at ACS meeting	Sept. 23	47	Gypsum project at Camden, N.J.	Oct. 21	26
Egyptian Chemical Industries Co. (KINA) - projects: fertilizer plant expansion; new aluminum and heavy water plants	Aug. 5	51	Testing device measures tensile properties of single fibers	Oct. 14	97	Florida Steel Corp. - Chemetron changes Aircro with intent to induce a breach of contract between Chemetron and Florida Steel	July 15	23
Egyptian Iron and Steel Co. - Esso fuel oil injection system to be used in blast furnaces	Sept. 16	109	Factor, Max, & Co. - acquires Parfumerie Internationale Corday, Parfums Corday, Inc. and subsidiary corporations	Aug. 5	142	Flo-Tronics Inc. - Electronic Controls Div. - level controller	Sept. 16	88
El Paso Natural Gas Products Co. - benzene unit coming onstream at Odessa, Tex.	Aug. 5	126	Factory Mutual Laboratories - testing lab for plastic building materials	July 15	22	Fluid Dynamics Inc. - microfilter	Sept. 16	84
Pacific Northwest Pipeline merger may get green light from Supreme Court	Sept. 9	38	Fairbanks, Morse & Co. - Electronics Div. - marketing 3-in diameter TV camera for British firm	July 15	98	Fluor Corp. Ltd. - awarded contract by Kentucky Standard for five processing units at Pascagoula, Miss., refinery	Dec. 9	30
Electric Bond and Share Co. - gets set for big move into chemicals	July 8	21	Fairchild Semiconductor - research and development center being built at Stanford Industrial Park, Inc. - phenyl isothiocyanate available	Oct. 14	146	Benzene extraction facilities to be built for Mobil at Beaumont, Tex.	Oct. 14	33
Electric Reduction Co. of Canada, Ltd. - sodium borohydride pulp and paper bleaching	Dec. 2	57	Falls Industries Inc. - control valve	Sept. 29	29	Designing TEL-TML plant for Nalco	Sept. 16	63
Electric Storage Battery Co. - fuel cell exchange of information agreement with Sun Oil	Nov. 4	92	Fansteel Metallurgical Corp. - all-tantalum pump	Dec. 2	58	Udex unit being built for Standard Oil of Calif.	Aug. 19	27
Electro-Chemical Industries - a subsidiary will use Monsanto's ethylene dichloride cracking process to produce vinyl chloride	Oct. 21	26	Chromalloy acquires rights to Fansteel patents for coating refractory metals	Aug. 12	23	Fluor-Singmaster & Breyer Inc. - new name of Singmaster & Breyer	Nov. 18	18
Electrofilm, Inc. - air-drying solid film lubricant called Electrolobe	July 29	42	Profit drive is based on four-part formula	Nov. 11	47	Propylene oxide plant to be built for Wyandotte	Nov. 25	18
Electronized Chemicals Corp. - electron-irradiated polyethylene patent	July 8	57	Farbenfabriken Bayer AG. - alkali metal borohydrides exchange of information agreement with Metal Hydrides	Sept. 23	60	FM Corp. - Kemmerer, Wyo. plant demonstrates coking of low-grade Western coal	Aug. 12	46
Electro-Optical Systems, Inc. - fuel cells and depolarizers research program with Sonatone	Nov. 4	92	Farms new subsidiary, FBA Pharmaceuticals in New York	Oct. 28	26	FMC Corp. - continuous screw press is key to high-density hydrogen peroxide pulp bleaching	Sept. 23	81
Elektrochemische Werke Muenchen AG. - hydrogen peroxide plant will use Laporte's autoxidation process	Nov. 18	18	Germany's big three - report	Sept. 9	45	Expansion program to cover three-year period	Sept. 23	25
Ellay Rubber Co. - Charles Crowl Co. and Crowl Chemical Co. acquired, will operate as Ellay Laminates division	Sept. 30	25	Germany's boom tapers off	Dec. 30	40	M-113 all-aluminum armored infantry vehicles production speedup	Sept. 30	21
Elliott Brothers Ltd. - Soviets purchase computer for process control	July 15	76	Hansen, Kurt - Bayer's new Americanized chief	Nov. 4	162	Marketing maleic anhydride	Dec. 2	68
Emkay Chemical Co. - germicidal and algacidal series called Emkasans	Sept. 16	54	Hansen, Kurt, new chairman of the board	Sept. 30	22	May submit bid on GSA's Morgantown Ordnance Works	Nov. 18	16
Empire National Corp. - E.L. Bruce merger	Sept. 9	41	Organic chemicals plant to be built in India. Subsidiary in Sydney - FBA Pharmaceuticals Ltd.	July 1	19	Niagara Chemical Div. - Ethion insecticide cleared	Dec. 9	33
Empire State Atomic Development Associates, Inc. - experimental nuclear superheat reactor under construction	Oct. 28	40	Farbwerke Hoechst AG. - Germany's big three-report	Dec. 2	42	Niagara Chemical - insecticide sales forecast	July 22	96
May build nuclear power station	July 8	22	Germany's economic boom tapers off	Sept. 9	45	Niagara Chemical Div. - post-emergent herbicide for tomato crops called Solan	Oct. 21	71
Emson Research - metered aerosol valve	Dec. 16	89	Pigment dyestuffs	Dec. 30	40	Stakes climbed 8% in second-quarter	Aug. 12	17
Energia Industriais Aragenas - forms 50-50 joint subsidiary with Du Pont to produce maneb and zineb dithiocarbamate	Oct. 7	26	Poal and Vinylon processes licensed from Kurashiki Rayon	Oct. 21	64	Strike settled at Kemmerer, Wyo.	Nov. 4	70
Energy Conversion Ltd. - fuel cell R&D company formed by four British concerns	Nov. 11	106	Profits squeeze	Oct. 21	32	Takes out option on 126 million claims in the beryllium-bearing Spors Mountain area of Utah	July 15	18
Engelhard Industries, Inc. - antitrusters rap alloy makers	Dec. 16	22	Fam Chemical Resources Development Co. - potash reserves near Carlsbad, N.M., acquired by Kemac Potash	Oct. 7	26	Toluene diisocyanate plant to be built at South Charleston, W.Va.	Oct. 14	26
Catalytic process recovers nitrogen from nitric acid tail gas	Aug. 26	52	Farris Engineering Corp. - Mill Div. - steam trap	Sept. 2	60	Vanadium pentoxide joint venture onstream at Garfield, Utah	Sept. 16	106
Platinized titanium anodes - agreement with three other firms on patents and know-how	Sept. 9	90	FBA Pharmaceuticals Ltd. - Farbenfabriken Bayer subsidiary in Sydney	Dec. 2	42	Foam-Flex Corp. - urethane foam molding process - patents	July 8	45
ENI - agrees to build petroleum and petrochemical plants in India	July 22	18	FBA Pharmaceuticals (New York) - new Bayer subsidiary to develop, make and market ethical pharmaceutical specialties	Oct. 28	26	Fome-Cor Corp. - Monsanto has 50% stake	Dec. 30	11
Signed a \$50-million credit for Egypt	Dec. 2	42	Federal-Mogul-Bower Bearings, Inc. - metals research lab to be built at Greater Am Arbor Research Park	Nov. 11	111	Foste Mineral Co. - beryllium recovery equipment to be installed at Kings Mountain, N.C. plant	Sept. 30	80
Enjay Chemical - ethylene-propylene rubber production at Baton Rouge, La.	Sept. 23	89	Federal Paint Co. - non-do-it-yourself-type premium white enamel	Dec. 9	79	Ultrasure lithium metals and compounds unveiled	Aug. 12	65
Polyethylene and polypropylene film production moves include merger with Extrudo-Film	Oct. 28	17	Fenwal, Inc. - Resins Systems, a division, has new epoxy line	Nov. 25	86	Ford Motor Co. - catalytic converter for smog control shelved	Sept. 2	26
Polypropylene specialty resins - prices	Sept. 16	94	Femholtz Manufacturing Co. - gear pump called Helifem	Oct. 7	101	"Extended-range" antifreezes installed in all cars	Sept. 16	71
Pseudocumene available in commercial quantities	Aug. 19	89	Ferranti Electric Inc. - rheological laboratory expansion	Nov. 4	92	Fornsprag Co. - power transmission clutch	July 22	54
Solvents and intermediates line extended	Oct. 14	25	Ferro Corp. - nontoxic stabilizers	Sept. 9	86	Framatome - French-Belgian nuclear power plant contract	Oct. 21	68
Stevens and Enjay move step closer to polypropylene fiber production by acquiring National Plastic Products	Sept. 2	22	Ferrostaal - ammonium nitrate fertilizer plant to be built in Cuzco, Peru with Ilhde and Hoechst	Aug. 12	23	Frank, J.P., Chemical & Plastic Co. - Atlantic Refining acquires majority interest	Sept. 23	26
Wood, J.E., opposes USDA-Publicker surplus corn deal	July 1	13	Fertica de Panama - El Salvador affiliate ready to go on fertilizer project	Oct. 7	26	Franklin Institute - Bartol Research Foundation's W.F.G. Swann discusses truth in the press	Nov. 18	5
Enthone, Inc. - Enplate chemical plating process facility	Nov. 25	84	Fertilizantes del Istmo S.A. - first Latin-American company to export fertilizers	Oct. 14	30	Develops ductile polycrystalline sheets of beryllium by means of zone refining	Sept. 2	31
Erdos Chemie - joint subsidiary of Bayer and British Petroleum, will near-triple output by 1964-65	Oct. 28	26	Fertilizer Corp. of India. - concrete cooling towers to be built at Trombay, India	Dec. 2	35	Polyethylene emulsions	Nov. 11	92
Escambia Chemical - ammonia, methanol and urea expansions	July 8	83	Urea plant under construction at Gorakhpur, Uttar Pradesh	Nov. 25	92	Freeman Chemical Corp. - foam-in-place urethane packaging system	July 15	90
Urea solutions to be produced at Pace, Fla. plant	Oct. 7	106	Fiber Chemical Corp. - acquired by Diamond Alkali	Dec. 9	30	Freeport Sulphur Co. - acquisition of Uranium Reduction and uranium properties of Ute Exploration confirmed	Dec. 16	17
Esso Research and Engineering Co. - develops design for injecting fuel oil into blast furnace	July 8	68	Fiber Products Research Center Inc. - aluminum tube called Striplube	Sept. 30	17	Bids open for production platform for its sulfur mine in the Gulf of Mexico	Dec. 2	30
Ethylene-propylene rubber vulcanizing system	Sept. 16	64	Fiberglass Ohio - acquired by White Sewing Machine Corp.	Oct. 21	52	Cuba expands Moa Bay plant with Soviet Union help	Sept. 23	18
Large-ring compounds research	Aug. 5	96	Fibreboard Paper Products Corp. - wins suit against United Steelworkers of America	Aug. 12	23	Offshore sulfur mining operations at Grand Isle, La. - expansion	Nov. 25	18
Platinum purchase agreement	Dec. 9	99	Fidelity Chemical Products Corp. - Electronic Chemicals Division set up	Nov. 25	31	Packaged hydrogen sulfide unit installed in Cuban plant	Sept. 30	72
Research and development purchasing system	Aug. 5	100	Epony stripper	Dec. 2	54	Profit ratios	Sept. 2	25
Robot painter developed	Dec. 16	129	Finch, Pruyn & Co. - strike settled	Nov. 11	53	Uranium venture considered, may invest in Uranium Reduction Co.	Sept. 16	17
Technical speakers bureau launched	Aug. 12	18	Firestone Tire & Rubber Co. - General Tire's rubber patent gets support of Swedish patent office	Aug. 19	29	French Societe Royle - fluorine fiber process licensed from Dalwa Spinning	Oct. 21	64
Esso Standard Eastern - petrochemical plant to be built at Trombay, India. - letter	Sept. 16	8	Polybutadiene rubber plant to be built in Brazil with Lummus	Aug. 5	51	Friedrich Ilhde - ammonium nitrate fertilizer plant to be built in Cuzco, Peru with Ferrostaal and Hoechst	Aug. 12	23
Esso Standard Sekiyo - subsidiary of Jersey Standard will take over part of Stanvac's Japanese holdings	Oct. 28	26	First Boston Corp. - selling Kaiser Aluminum common stock	July 22	27	Frio-Tex Oil and Gas Co. - acquired by Suburban Propane Gas	July 29	16
Establishments Kuhlmann - isocyanates venture planned with Du Pont	Aug. 26	23	Fischer Chemical - Manufacturing Div. - ion exchange line called Rexyn	Oct. 28	68	Fuld Brothers - Glo-Zip, new water-emulsion acrylic polymer-based floor polish	Aug. 19	36
Esterbrook Pen Co. - Technical Products and Instruments Div. - instrument pen called Mark-Trol	Nov. 4	172	Fish Engineering Corp. - Argentine petro-			Fuller, W.P. & Co. - merger arrangements with Hunt Foods	Dec. 16	17
Ethyl Corp. - ferrocene available	Aug. 5	96				Furne Plastics Inc. - silicone rubbers	Nov. 4	52
						Transparent rigid and semirigid epoxies for		

curing at room temperatures	Sept. 2	53	Columbus-Lowndes Industrial Park near Columbus, Miss.	Nov. 25	27	\$250-million mark	Sept. 16	28
Furukawa Chemical Industries - Amoco	July 15	26	Oil extended rubber patent gets British approval	Sept. 9	89	Military buildup triggers manpower poll	Aug. 12	56
Futehally Chemicals Ltd. - Pakistan's first detergent plant planned	Nov. 4	47	Swedish patent office supports oil-extended rubber claims	Aug. 19	26	Overseas Chemical Div. - polyisobutylene plant for Baglan Bay, South Wales	Nov. 11	26
G.E.M., Inc. - Abbott wins "fair trade" injunction against G.E.M.	July 22	107	Urethane foam producer heads for a showdown on patent question	Oct. 21	21	Polymer Div. - molded-linear-polyethylene six-bottle carton for Coca-Cola	Dec. 30	57
Garlock, Inc. - nylon pressure tubing	Sept. 30	38	U.S. Air Force by Lockheed-Georgia	Nov. 25	58	Pearlbratton system used in grievance cases	Oct. 7	123
Gamack Chemical Co., Ltd. - brick coating called Polydite	Sept. 30	62	Georgia-Pacific - chemicals from wood-venture with Allied Chemical	Nov. 25	58	Research labs at Clarksville, Md. expand new-product and ag-chemicals departments	July 15	72
Garrett Corp. - AiResearch Div. gets AEC contract for an advanced gas centrifuge separator	Oct. 7	45	Phenol venture with Allied still under consideration	Aug. 5	38	Washington Research Center - research projects appraised in five categories	Oct. 14	144
AiResearch Manufacturing Div. investigates scheme to run turbines with gases generated by cattle wastes	Oct. 21	72	Will market bagasse boards	July 29	10	Will distribute Star-O-Matic's water treatment products abroad	July 8	25
AiResearch Phoenix Div. - pneumatic computer controls chemical process	Aug. 12	48	Gering Plastics - Monsanto plans acquisition. Getty Oil - Petrochemicals, a partnership of Tidewater, Getty, Skelly and Kern-McGee, builds uranium mill in Wyoming	Sept. 16	109	Graflex, Inc. - teaching machine called Audio Graphic	Aug. 19	78
Spangler, Selden, lists reasons for bidding on government research contracts	Nov. 11	105	Gibsonburg Lime Products Co. - acquires building and industrial lime business and tradenames of Woodville Lime	Dec. 30	11	Grand Central Rocket - Lockheed will assume complete control	Sept. 16	27
Gaylord Associates, Inc. - new firm specializes in polymer research	Nov. 4	88	Gilbert Surgical Supply Co. Ltd. of Toronto - Cana's brush drug seller	Sept. 16	30	Propellant Research Lab built at Menlo Park, Calif.	July 15	68
Gemmer Mfg. Co. - court rules that Detroit employees have seniority rights	July 22	28	Gillette Laboratories - cough tablet called Thoraxin Cough	Nov. 4	45	Solid-fuel rocket contender seeks new plant sites	Aug. 26	21
General American Transportation Corp. - nuclear waste evaporator passes final tests	Sept. 30	80	Gilman Paper Co. - Dualator mixer in operation at Gilman, Vt.	Dec. 23	23	Great Lakes Carbon Corp. - Indian calcined coke venture	Aug. 19-27, Dec. 16-112	
Plastic pellet depot	Dec. 23	35	Girdler Corp. - hydrogen sulfide process available in package units	Nov. 4	56	Perlite filter aids plant in operation at Antonito, Colo.	Aug. 12	33
General Aniline & Film Corp. - acetylene and photographic materials expansions	Oct. 21	26	Glascote Products Inc. - removable blade agitator	Nov. 4	168	Great Northern Oil Co. - Alaxol used to control odors in stack gases	Sept. 9	125
Acetylene Chemicals Dept. name changed to Polymeric Chemicals Dept.	Dec. 23	18	Glaxo Laboratories Ltd. - salt and semis. Glidden Co. - Durkee Famous Foods Div. - court rules that New York employees have seniority rights	Sept. 30	72	Great Northern Paper Co. - coated printing paper project at Mallinocket, Me.	Oct. 14	33
Antara Chemicals - epoxy diluent called AT-534	Oct. 7	84	Inorganic research and development center at Baltimore expansion	Dec. 2	42	Pipeline to carry sulfite pulp	Dec. 30	52
Chlorine-caustic expansion at Linden, N.J.	Nov. 11	25	New developments: changes name of paint division; acquires Pemco Corp.	July 8	53	Greene, Tweed & Co. - Teflon filament packing	Sept. 16	88
Fluorescent brighteners for polypropylene and acrylics	Nov. 4	51	Pemco merger approved	Dec. 2	42	Greenfield, Samuel Co. - new contract	Dec. 16	130
Justice Dept. recommends sale of government owned stock	Sept. 30	31	Resins and coatings plants - expansion and modernization program	July 22	28	Gruenzweig and Hartmann AG. - Compagnie de St. Gobain is negotiating for an interest in Gruenzweig	Dec. 9	30
Name change proposed	Nov. 4	46	Global Marine Exploration Co. - Aerofet acquires 45% interest	Dec. 30	48	Grunman Aircraft Corp. - Lubin, George, technical advisor for U.S. plastics show now touring Russia	July 22	32
Ozolid Products Div. - wage agreement. Political campaigners barred at Linden, N.J. plant	July 22	104	Globe Laboratories - merging with Pfizer Sept. 2-29, Oct. 7-34	Aug. 19	26	Guardian Chemical Corp. - masonry water-proofer called Surfseal	July 8	99
Snyder, John I., becomes GAF's new president	Nov. 11	53	Goliad Corp. - petrochemical venture at Gelsmar, La.	Nov. 18	18	Guest, Knechtel and Nettletons Ltd. - forms fuel cell R&D combine with three other concerns	Nov. 11	106
General Dynamics - carbon dioxide price fixing suit	Oct. 14	32	Goodrich, B.F. Co. - ABS resins production at Louisville, Ky.	Sept. 16	30	Gulf Coast Minerals Management Corp. - high-purity methane available	Sept. 23	90
Contempt-of-court case Sept. 16-78, Nov. 25-24, Dec. 2-29	Dec. 23	13	Conducts engineering studies on its Long Beach, Calif. polyvinyl chloride plant	Aug. 5	51	Gulf Oil Corp. - employees reinstated in Philadelphia	Oct. 7	127
Companion civil suit	Dec. 30	10	Vinyl resins plant completed at Albora, Australia	Dec. 9	34	Ethylene plant to be built in Harris County, Tex.	Aug. 5-38, Aug. 12-23	
Convair will study design concepts for "meteoroid bumpers"	July 22	47	Wage agreement	Oct. 14-23, Nov. 4-140		Household products will be marketed in groceries and supermarkets	Dec. 9	79
General Electric - "acyclic" generator may be answer to cheaper power	Nov. 11	83	Warner, Harry predicts 1970 outlook for plastics in building	July 15	18	Italian phenol-acetone venture with SIR	Sept. 9	41
Computer laboratory being built at Sunnyvale, Calif.	July 29	27	Goodrich-Chlor Chemicals - plate heat exchangers pay off in latex processing	Oct. 7	106	Strike settled at Port Arthur, Tex.	Nov. 11	53
Dew-like condensation is key to water desalting process	Nov. 11	66	cis-polybutadiene patents agreement with Shell	July 1	48	Gulf States Land & Industries, Inc. - steel from copper slag heaps	Dec. 16	89
Experimental nuclear superheat reactor under construction for ESADA	Oct. 28	40	Synthetic natural rubber process licensed to three firms	July 15	21	Gulf Sulphur - Azuferra stock exchanged for Gulton Industries, Inc. - ionic crystals available in 22 types	July 15	104
Instrument Dept. - mass flowmeter tester. Internal oxidation process for forming oxide particles within alloys	Oct. 21	110	Goodyear International Corp. - Chemical Div. - overseas sales force	July 22	52	Ultrasonic mass flowmeter	Sept. 23	60
Issued U.S. patent 3 million	Sept. 2	40	Synthetic rubber plant planned near Le Havre, France	Sept. 16	17	Gypsum, Lime & Alabastrine Ltd. - lime plant to be built in Tacoma, Wash.	Aug. 19	27
Licenses Koppers to make Flexiphen 1960 phenols	Sept. 30	88	Goodyear Tire & Rubber Co. - Archimedeon screw is basis of new type of process pump	Oct. 28-26, 68		HP Associates - solid-state research and development affiliate of Hewlett-Packard	Oct. 14	149
Organic membrane research	July 1	59	Goodyear Tire & Rubber Co. - cobalt-60 supply tripped to enable expansion of radiation research program	Dec. 30	40	Hagan Chemicals & Controls - Calgon Co. - Banox, rust inhibitor for salt	Oct. 28	45
Plutonium by-products, strontium-90 and cesium-137, sent to Oak Ridge for final purification	Oct. 7	84	D'anni, J.D., predicts competition will get rougher for the synthetic rubber industry and its chemical suppliers	Nov. 4	92	Paraffin inhibitor	Nov. 4	52
Polycarbonate engineering lab at Mount Vernon, Ind.	Aug. 5	88	Employee retraining program	Dec. 9	17	Handy & Harman - antitrusters ro alloy makers	Oct. 28	54
RTV liquid silicone rubber compounds in new size	Oct. 14	149	Foam marketing tactics revamped	Sept. 30	43	Handon Chemical Co. - charges Carbide with breach of confidential relations	Dec. 16	22
Radiation applications accelerators	Oct. 21	89	General Tire's rubber patent gets support of Swedish patent office	Sept. 2	63	Hanna Furnace Corp. - coal replaces coke in blast furnaces	Sept. 9	126
Research projects - method of evaluating	Oct. 14	146	Meat film, called Vitafilm ST, for packaging frankfurters	Aug. 19	26	Harbison-Walker Refractories Co. - teams with Continental Ore and Dead Sea Co. to build a magnesite plant in Israel	July 8	25
Silicone Products Dept. - silicone rubber paste	Dec. 9	88	Niagara Falls - new contract	Sept. 9	86	Harris Research Laboratories - wool-like cotton fabrics research	Nov. 25	56
Supersensitive air-pollution detection device	July 15	76	Pilobond adhesive used in making new gas filter	Dec. 16	130	Harrisons & Crossfield - will market Sherritt Gordon's urea output	July 22	29
Turboshaft engine	Nov. 4	175	Polyester fibers licensed to Lenzing	July 15	98	Hart Drug Co. - acquired by A.J. Parker Corp.	Nov. 25	84
"Ultrapur" fused quartz	Dec. 16	108	Polyesters for tire cord - researchers solve adhesion problem	Sept. 2	28	Hart Laboratories, Inc. - newly formed Parker Division includes Drug Specialties and Hart Drug	Nov. 25	84
Ultrasonic mass flowmeter will measure water coolant flow at Knolls Atomic Power Laboratory	Sept. 23	59	Radioisotopes studied for dating merchandise	Aug. 19	77	Harvey Aluminum - alumina plant to be built in Caribbean	Sept. 30	18
Water-desalting laboratory at Burlington, Vt. Will build reactor and steam system for PG&E in San Francisco area	Nov. 4	92	Vitel polyester fiber resin licensing deal with Toyo Spinning	Nov. 25	76	Aluminum expansion - BPA extends deadline for Pacific Northwest plant plans	Oct. 14	26
X-Ray Dept. sells two transformers to foreign buyers for textile irradiation	July 8	22	Gore, W.L. - Teflon-insulated wire and cable expansion	Oct. 21	32	Aluminum expansion in Bonneville territory - feasibility studies	Aug. 26	22
General Foods Corp. - cold-water solubility of adipic acid improved	July 15	75	Gorham Laboratories Inc. - Thurlow, John F. discusses specialty paper additives market	Aug. 19	27	Aluminum reduction plant in Pacific Northwest - BPA extension of site selection date likely	Sept. 30	17
General Homes - Koppers purchases 50% of the stock of General Industries	Sept. 23	96	Gouda-Apollo - Witco-Gouda Stearaten, new subsidiary, will make metallic stearates	July 15	79	Expansion and financing plans for '61 Milan Arsenal - Army contract for conventional ammunition	July 22	27
General Magnaplate Corp. - continuous-strip X-ray film package	Dec. 9	30	Gould Pumps, Inc. - glassed pump	Aug. 19	27	Studying feasibility of establishing a plant in New Brunswick, Can.	Sept. 9	43
General Mills - international division set up	Dec. 16	112	Grace, W.R., & Co. - Cryovac Div. moves from Cambridge, Mass., to Spartanburg, S.C.	Dec. 9	63	Hawkeye Chemical - 50-50 venture of Swift and Skelly Oil, to produce nitrogen products at Clinton, Ia.	Aug. 26	18
General Motors - agency shop ruled legal by NLRB	Oct. 7	46	Cryovac Div. - propylene film is biaxially oriented in a balanced orientation process	Nov. 25	40	Hawley-Monk Co. - Borden merges company with Commercial Ink and Lacquer to form specialty ink division	Dec. 30	12
California accepts auto exhaust device for preliminary evaluation	Sept. 2	26	Davison - E.F. Ivey says muffler-type smog-control devices will appear on '64 autos	Nov. 4	44	Heberlein Holding AG. - forms International Research Corp. with Cluett, Peabody International	Dec. 9	63
Du Pont-GM case - divestiture plan sought July 1-18, Sept. 16-29, Oct. 14-31, 51	Dec. 2	29	Davison Chemical Div. - silica gel for drying flowers	Aug. 19	27	Hedwin Corp. - disposable polyethylene package called Cubitainer	Aug. 19	97
Du Pont-GM case - new legal maneuvers could start avalanche of private suits	Nov. 4	43	Dewey and Almy Chemical Div. - color compatible emulsion	Sept. 9	86	Helix Co. - helium conservation contract calls for nation's largest plant	Aug. 26-66, Nov. 25-17	
Du Pont-GM case - tax-exempting bills July 29-19, Aug. 5-41, Aug. 26-30, Sept. 2-32, Sept. 16-48, Sept. 23-44	Oct. 7	45	Dewey and Almy - expands plant at Owensboro, Ky. for production of specially felted fibers for use in plastics products	Oct. 21	54			
Inland Manufacturing Div. - wage increase	Nov. 11	53	Earnings up about 20%	July 1	20			
Saginaw Steering Gear Div. - ball-bearing screw assembly	Oct. 28	94	Maps new ventures as chemical sales hit	Aug. 12	17			
General Tire & Rubber Co. - acquires tract in								

Helium extraction plant to be built at Bushton, Kan.	Sept. 9	57	Increase at Paulsboro, N.J.	Aug. 26	24	Imperial Oil Ltd. - benzene refinery onstream at Samia, Ont.	Nov. 11	95
Helium extraction unit planned	Aug. 5	49	Houston Chemical Corp. - ethylene oxide plant at Beaumont, Tex. onstream	Dec. 16	118	May supply toluene to Allied Canada's diisocyanates unit	Oct. 21	18
Helium Conservation Corp. - tender for government contract	Sept. 9	57	Sargent, Daniel I., new president	Nov. 25	24	Project Oil Sand in the Athabasca area of Alberta	Sept. 16	26
Heimerich & Payne, Inc. - drilling rig powered by GE's turbo-shaft engine	Nov. 4	175	Tetraethyl lead being sold from Beaumont, Tex. plant	Oct. 7	105	Imperial Smelting Co. - zinc and lead recovered simultaneously at Swansea, Vancouver	Oct. 21	66
Henderson Sugar Refining - sugar refinery for Blakeley Island, Mobile, Ala.	Oct. 14	33	TML plant at Beaumont, Tex. may purchase methyl chloride from Ancon	July 29	16	India Carbon Ltd. - calcined coke and anthracite coal plant plans approved	Aug. 19	27
Hemelite Products Inc. - new company to produce molded polystyrene foam products	Aug. 19	27	Howards & Sons, Ltd. - sorbitol unit planned Nov. 4-38	Nov. 11	17	Coke and coal project	Dec. 16	112
Henze Chemical Corp. - new export-import house	Sept. 16	30	Howards of Iford Ltd. - cyclic compounds expansion	Oct. 21	26	Indian Commercial Corp. - TEL venture with Italy's Societa Lavorazioni Organiche Inorganiche	Nov. 4	47
Hercules Powder Co. - Doyle, Richard, finds data processing opens door to Penton resin sales	Nov. 4	125	Howe Sound Co. - considering Oregon aluminum reduction plant	July 8	18	Indianapolis Water Co. - forms joint subsidiary with Philadelphia Suburban Water to produce water treatment products	July 8	25
Dynamite and blasting powder production has ceased at Bacchus plant	Oct. 7	105	Frank Samuel & Co., a division - Chemical Dept. taken over by new Samrak Chemical Corp.	Oct. 7	34	Industria de Papel e Papelao Rio Claro S.A. - builds paper and cardboard plant at Rio Claro	July 15	25
Ethylene-propylene rubber first marketed	Sept. 23	90	Johnsonville, Tenn. basic aluminum plant planned	Dec. 30	8	Industrial Powertronix Inc. - weight control system	Sept. 30	38
Ethylene-propylene rubber vulcanizing system	Sept. 16	64	Huber, J.M., Corp. - Chemicals Div. builds lab and administration building at Havre de Grace, Md.	July 22	45	Industrias Klabin do Parana - expands newsprint output; builds Kraft paper plant	July 15	25
Filter press plates coated with Penton	July 8	48	May build carbon black plant with Manjushree Industries of India	July 1	20	Information for Industry, Inc. - desk-sized information retrieval system	Sept. 2	32
Glass fiber grades advocated for assembling large solid-propellant rockets	Oct. 21	23	Sodium silico-aluminate expansion at Havre de Grace, Md.	Nov. 11	26	INI - petrochemicals plant slated for Puertollano	Sept. 16	30
High-density polyethylene resins trio	Sept. 16	54	Hudson Engineering Corp. - gas-products plant to be built for Cities Service	Dec. 23	18	Institute for Industrial Research - Attiyeh, Mounir, proposes cooperative Arab petrochemical venture	Oct. 28	24
Increasing MSG capacity	Dec. 16	123	Natural gas processing plant to be built for Tidewater at Normanna, Tex.	Nov. 18	10	Institute for Inorganic Chemistry of Usti nam Lab - sodium pyrosulfite recovery process	Oct. 21	68
Minuteman ICBM rocket motors R&D contract solid-fueled propulsion units plant to be built at Bacchus, Utah	Aug. 12	23	Hudson Industries Corp. - nonrotary mixer called Vibro-Mixer	Nov. 4	172	Instruments, Inc. - new firm will develop, produce and market laboratory devices	Nov. 25	58
Nitrogen chemicals expansion at its Missouri Chemical Works	Dec. 9	18	Hudson Plant and Paper Co. - Kennebec Div. - wage hike	Oct. 28	54	Insul-Coustic Corp. - pipe saddle	Sept. 30	38
Pine and Paper Chemicals Dept. appoints six new synthetic resin distributors	Aug. 5	152	Hughes Aircraft - Hughes Research Laboratories Div. - cesium-powered ion rocket engine R&D contract	Dec. 9	64	Interhandel - GAF case - Interhandel is lobbying in Congress to prevent passage of sale bill	Sept. 30	32
Pine Oil Information Center established	Sept. 16	97	Hughes Paint Co. - retail-store expansion	Nov. 25	84	GAF proposes name change	Nov. 4	46
Polypropylene fiber plant completed at Covington, Va.	Sept. 30	93	Humble Oil - acetylene may be produced at Baytown, Tex.	Aug. 5	37	International Chemical Co. - soda ash plant workers contract approved	Dec. 30	63
Polypropylene unit at Lake Charles, La. will get feedstock from Cities Service plant	Nov. 11	18	Bayway, N.J. refinery addition to be used by Enjay for solvents and intermediates	Oct. 14	25	Trona deposits to last for over 100 years	Sept. 23	25
Radford, Va. Arsenal - Army contract for conventional ammunition	Sept. 9	43	Ethylbenzene will be pipelined to Marbon's styrene unit	Nov. 11	17	International Business Machines - computer control of papermaking - developments	July 15	88
Sales and earnings	July 22-17	Oct. 21-17	Fluid coke briquettes look for work in Western phosphorus furnaces	Aug. 12	46	First closed-loop job, 160,1620, controls Amoco's crude-oil distillation unit	July 29	46
Tail-oil fractionating plant at Portland, Ore.	Oct. 28	18	Olin Gas Transmission merger due for FPC hearings	Dec. 23	13	International Development and Investment Corp. - Central American fertilizer project	Oct. 14	30
Hermet Seal Corp. - electrical connector	Aug. 19	62	Polyolefin capacity boost at Baytown, Tex.	July 22	18	International Fibercrafts Systems - spray-on auto interior finish may open new market for specially adhesives	Oct. 14	37
Hess, Goldsmith & Co., Inc. - Vista, flameless decrimping process, yields tougher glass fabrics	Dec. 30	51	Polypropylene unit onstream at Baytown, Tex. Project Apollo to be located on Houston, Tex. site	Nov. 11	100	International Flavors & Fragrances - common stock offering	Oct. 14	32
Hewitt-Robins - foam rubber operations closed down	Sept. 2	63	Purple martins roost on pipe stills at Baton Rouge refinery	Sept. 30	22	International Glass Industries Ltd. - flat glass plant to be built at Tacoma, Wash.	July 22	30
Hewlett-Packard Co. - HP Associates, new solid-state R&D affiliate	Oct. 14	149	Stock exchange with Olin Oil & Gas Superfracturing tower at Baytown, Tex. is one of world's largest	Aug. 19	60	Window glass plant to be built in Tacoma, Wash.	Aug. 19	27
Heyden Newport - formaldehyde maker races for stabilized grade markets	Sept. 30	104	Humphrey-Wilkinson - Quantum develops new synthesis techniques for making long chain aliphatic hydrocarbons	Dec. 2	30	International Helium - completes initial financing, seeks world markets for helium	Nov. 11	25
HIAG Werke AG. - methanol plant onstream	Sept. 30	93	Humphreys & Glasgow Ltd. - Lurgi high-pressure gasification plant onstream	Nov. 18	185	International Latex - may sublicense Russian patents	July 22	27
High Voltage Engineering Corp. - built core for continuous magnetic field	July 22	76	Obtains know-how and licenses for East German processes; will build plant for Ulbricht at Leuna	Aug. 26	55	International Minerals & Chemical Corp. - Bartow, Fla. workers choose ICU	July 1	48
Radiation applications accelerators pioneer	Oct. 21	89	Hungarian Petroleum and Natural Gas Research Institute - hypersorption process for separating light hydrocarbon gases	July 29	41	Canadian potash project expansion	Aug. 19	17
Hill Equipment and Supply Co. - acquired by Air Products	Dec. 30	7	Hungerford Plastics Corp. - acquires Ductall Corp. and Newport Plastics	July 29	9	Diammonium phosphate fertilizer expansion at Bonnie, Fla.	Nov. 11	95
Hill Industrial Gas Co. - acquired by Air Products	Dec. 30	7	Hunt Foods & Industries - merger or acquisition transaction with W.P. Fuller	July 29	9	Fertilizer marketing innovation: three-day management seminar for executives of customer companies	Aug. 5	152
Hills-McCanna - ball valves	Oct. 28	97	Huntington Laboratories - office and plant to be built in Lansdale, Pa.	Oct. 21	64	Increasing MSG capacity	Dec. 16	123
Hilton-Davis Chemical Co. - paper brightener called Hiltamine Arctic Paper White	Aug. 19	36	Huntington Rubber Mills - wage agreement	Nov. 25	84	ICWU wins Tupelo, Miss. election	Nov. 18	160
Hochtief - ammonium nitrate fertilizer plant to be built in Cuzco, Peru with Uhde and Ferrostaal	Aug. 12	23	Husky Oil Co. - Idaho phosphate reserves development with IWC	Dec. 16	17	Landis, Eugene, considers effect of maritime strike on shipping	July 1	28
Hoffmann-La Roche - Aries, R.S., consultant, charged with selling stolen trade secrets to Hoffman-La Roche	Nov. 25	23	Hydrocarbon Research - contract for Cities Service's "H-Oil" hydrocracking unit at Lake Charles, La.	Oct. 21	52	Monosodium glutamate production	Oct. 7	32
Hollingshead, R.M., Corp. - establishes new firm, Synchro Corp., with Sittenfeld & Associates	July 29	18	Foreuses use of liquid methane to serve U.S. cities during peak demands	Aug. 5	106	Nitrogen, Idaho phosphates and potash expansions	Nov. 4	45
Holly Sugar Corp. - sugar beet processing system	July 1	38	H-Oil process's expected hydrogen consumption	Nov. 4-45	Nov. 11-17	Phosphate reserves in Idaho to be developed with Husky Oil	Nov. 11	17
Homestake Mining Co. - potash venture in Saskatchewan with U.S. Borax	Sept. 2	22	Tenneco-Hydrocarbon Research oxygen and nitrogen deal	Dec. 9	30	Potash and phosphate projects - financing	Sept. 30	23
Honolulu Oil Corp. - completes transfer of assets to Tidewater, Albano, Pan American and Non-Oak	July 8	25	Imperial Chemical Industries - acrylic products plant to be built in Rotterdam	Nov. 25	25	Potash plant at Esterhazy, Sask., will be producing by late spring '62	Dec. 2	71
Court gives go-ahead on sale of assets to Tidewater, Pan American and Indiana Standard	Oct. 28	26	Acrylonitrile plant at Billingham, England to switch over to new process	Nov. 11	18	Retirement plan for board members	Nov. 4	67
Industrial Research Laboratories sold to International Rectifier	Nov. 11	111	Antidumping legislation requested for U.S. polyethylene imports	Nov. 21	Nov. 18-10	Stock options battle - Viewpoint	Nov. 4	5
Hood Chemical Co. - may be acquired by Texcel Chemicals	July 15	26	Bids for Courtaulds in move to strengthen fiber position	Dec. 30	39	Ware, Louis, defends stock option plans at probe by Senate group	Aug. 5	106
Hooker Chemical Corp. - acquires 50% interest in Duranor, Argentine aromatics producer	Aug. 12	23	Carbon tetrachloride plant to be built at Botany, N.S.W.	Dec. 16	94	Ware, Thomas, challenges predictions of coming potash glut	Nov. 4	139
Acquires rights to undeveloped phosphate reserves in Tennessee	July 15-18	Oct. 4-45	Charge Italian firms with polyethylene "dumping"	Dec. 30	11	International Nickel Co. - subzero working of stainless steel - experimental work	Sept. 2	57
Antitrust charges concerning Durez Plastics merger dropped but assets acquired from Monsanto must be sold	Sept. 9	33	Licenses Cyanamid to make methyl methacrylate molding powder	Aug. 19	18	United Steelworkers of America claims victory in drive to oust rival union	Dec. 2	62
Betting on new products to produce profit upturn	Dec. 9	26	Platinized titanium anodes - agreement with three other firms on patents and know-how	Sept. 9	90	International Nickel Co. of Canada - union accuses Inco of violating labor relations legislation by refusing to open negotiations for a new contract	Dec. 9	34
British Columbia's cut-rate utilities led to caustic-chlorine expansion	Nov. 18	15	Polypropylene filament yarn plant due onstream by year's end	Sept. 23	18	International Ore & Fertilizer Corp. - drives for South American fertilizer market	Dec. 16	110
Chlorine-caustic expansion at North Vancouver, B.C.	Nov. 11	25	Terylene polyester staple prices	July 22	92	Fertilizer-for-furte barter deal	Sept. 9-34	Nov. 11-22
Durez Plastics Div. - arbitration revision, wage hike	Aug. 19	70	Imperial Chemical Industries of Australia and New Zealand Ltd. (ICIANZ) - expansion plans may block U.S. chemical expansions in Australia	July 1	14	Korean fertilizer contract	Dec. 16	118
Durez Plastics Div. employees suing union	Dec. 16	130				Worldwide survey of the fertilizer industry	Dec. 23	52
Durez Plastics Div. - phenolic core binder	Oct. 21	56				International Paints (Holdings) Ltd. - merger with British Paints (Holdings) Ltd. planned	Sept. 2	29
Employees at Niagara Falls, N.Y. forego wage increases	Oct. 28	54				Called off	Oct. 14	33
New entry in the sodium borohydride pulp and paper bleaching field	Dec. 2	57				International Paper Co. - Southern Kraft Div. - wage agreement	July 22	104
Parker Rust Proof merger negotiations	Nov. 4	47				International Rectifier Corp. - acquires Industrial Research Laboratories from Honolulu Oil	Nov. 11	111
Sales and earnings	July 15-17	Oct. 21-17				International Research Corp. - new firm formed by Cluett, Peabody International and Hoeberlin Holding AG.	Dec. 9	63
Homeair, Frank W., Ltd. - builds wing to research laboratories	Sept. 30	88				International Salt Co. - Dayton, O. cancels rock salt purchase agreement	Sept. 16	76
Houdry Process Corp. - auto exhaust device accepted for preliminary evaluation by California	Sept. 2	26				Desalting process yields high-purity salt by-product	Oct. 28	74
Halide-free platinum reforming catalyst	July 22	75				Indicted on charges of fixing prices on rock salt	July 8-44	July 22-36
Catalyst chemistry is key to profits for Houdry	Aug. 12	36				Interoceanic Industries, Inc. - soybean-crushing		
Sun Oil may sell interest in Houdry to Air Products	Oct. 14-25	Oct. 21-17						
Urethane foam catalyst, Dabco, capacity								

plant acquired from Spencer Kellogg Div. of Textron	Oct. 14	33	Kendall Co. - adhesives production facilities being built at Franklin, Ky.	Aug. 5	142	Lilly, Eli & Co. - additional dividend	Dec. 2	21
Interprovincial Co-operatives Ltd. - Saskatchewan herbicides-making complex may include chlorine-caustic plant	Sept. 30	18	Chicago Div. plans research center in Barrington, Ill.	Sept. 30	88	Basley favors some changes in drug laws. Crab grass killers	Dec. 16	24
Ionics, Inc. - methods of separating mixtures of chemical compounds	Dec. 9	64	Kennecott Copper Corp. - Basic Research Laboratory to be built in Lexington, Mass.	Sept. 23	56	Distribution network considered - letter	Oct. 21	37
Receives contract from Air Force for development of a lightweight fuel cell for space use	July 22	47	Kennecott Titanium Corp. - Tonawanda site solid; firm becomes totally inactive	Sept. 23	90	Nucleic acids research study with Syntex Corp.	Dec. 9	7
Iron Ore Co. of Canada - Hydromex, ammonium nitrate slurry	Oct. 7	111	Kemac Potash Co. - 50-50 venture of Kern-McGee and National Farmers Union Service, will build potash plant to tap reserves near Carlsbad, N.M.	Oct. 28	23	Lilly Research Laboratories - levopropylisillin tests results	Aug. 12	31
Irving, K.C. - Caustic-chlorine plants for New Brunswick plant dropped	Sept. 30	18	Kem County Land Co. - phosphate prospecting project with Duval Sulphur at Border, Wyo.	Oct. 7	26	Linde Co. - building oxygen plant to supply Campbell Works of Youngstown Steel and Tube	Nov. 11	106
Chlorine-caustic plants still alive	Oct. 21	22	Kerr-McGee Oil Industries - helium extraction plant contract awarded to Service Engineering	Nov. 25	27	Cryogenic piping	July 8	25
Isoschem Resins Co. - flame-retardant resin	Sept. 30	62	Helium plant will supply commercial, non-government markets	July 29	9	Expands Tonawanda, N.Y. oxygen, nitrogen, argon facilities	Oct. 28	92
Israel Institute of Technology - new process uses soft, medium-carbon steel for forging and machining	Dec. 23	38	Kemac Potash, 50-50 venture of Kern-McGee and National Farmers	Oct. 21	18	Expansion of Tonawanda, N.Y., molecular sieve plant	Aug. 12	23
Itoh, C. Corp. - establishes worldwide network of irradiation service centers with Radiation Dynamics and Westrex	July 8	80	Petrochemicals, a partnership of Tidewater, Getty, Skelly and Kern-McGee, builds uranium mill in Wyoming	Oct. 7	26	Flame-fusion process makes single crystals of tungsten	Dec. 16	25
JGC-Universal Co. - 50-50 venture of Japan Gas and UOP will produce and regenerate UOP-type reformer catalysts	Oct. 14	33	Ketchum & Co. - moves into drug manufacture	Sept. 16	30	Liquid hydrogen capacity	Sept. 23	59
Jacobs Engineering Co. - rotary kiln and cooler produce pebbles from shale rock via expansion process	Nov. 11	75	Kiebler Laboratories, Inc. - new firm will do research on rare earth materials and light metals	Nov. 4	131	Liquid hydrogen cross-country hauls launched	Aug. 19	77
Jalan, B.K. - proposes carbon black venture with Vito	July 1	20	Rare earths available	Sept. 16	30	Liquid oxygen plant explodes in Michigan	Sept. 2	85
Jamaica Agricultural Society - fertilizer distributor for new Jamaican project	Sept. 30	25	Kleeman, O. & W., Ltd. - Mobil Holdings will acquire more than 90% of the shares of Kleeman	Oct. 7	26	Molecular sieves take on acidic jobs	Dec. 9	71
Japan Carbide - edicyandiamide process licensed to Edison	Oct. 21	64	Klondex, Inc. - photostat charges Klondex with unfair competitive practices	Sept. 16	30	One-can stable epoxy resin system	Oct. 28	68
Japan Carbon - graphite fiber joint venture	July 8	57	Kohle-Oelchemie GmbH. - plastics plans shelved	Nov. 25	31	Oxygen tested for use in blast furnaces	July 8	63
Japan Catalyst Chemical - acetal plastic infringement suit filed by Du Pont	Dec. 23	39	Kolchem Ltd. - acetone derivatives production	Nov. 25	31	Ruby-sapphire combination	Dec. 9	64
Japan Exlan - graphite fiber joint venture	July 8	57	Kolker Chemical Corp. - acquired by Vulcan Materials	Sept. 16	30	Tonawanda laboratories - second expansion	Nov. 11	108
Japan Gas Co. - forms joint venture with UOP to produce and regenerate UOP-type reformer catalysts	Oct. 14	33	Koppers Co. - asphalt-price-fixing suit settled	Oct. 21	95	Lino-Paste - acquired by Helme-Curtis Industries	Dec. 30	8
Japan Synthetic Rubber Co. - will export 500 tons of SBR to Red China	Dec. 16	18	Broadens plastic panel marketing plans	Dec. 2	78	Lisk, G.W., Co. - magnetic pump	Oct. 7	103
Jefferson Chemical Co. - drum handling	Dec. 2	65	forms Panel Dept.	Aug. 19	68	Lithium Corp. of America - moves into glass market via borrowed sales force	Sept. 30	103
Piperazine unit at Conroe, Tex.	Nov. 4	47	Dylite expandable plastic unit at Kobuta, Pa. - capacity increase	Aug. 5	152	Spodumene reportedly purchased from Foote Mineral	Sept. 30	80
Jefferson Lake Asbestos Corp. - building asbestos mill in Calaveras County, Calif.	July 8	25	Epoxide resins series called KER resins	Nov. 11	26	Little, Arthur D., Inc. - electrochemical burner provides 3000-6000F heat	July 1	38
Jefferson Lake Petrochemicals - by-product sulfur may head for U.S.	Dec. 30	57	Licensed by GE to make Flexiphen 1960 phenols	Sept. 2	53	Mexican subsidiary formed	Oct. 14	149
Hot carbonate process	Dec. 16	97	Polypropylene production at Port Reading, N.J., a possibility	July 1	59	Separator type gas filter	July 15	98
Jefferson Lake Sulphur - Manley, H.W., predicts sulfur shortage by '65 or '70	Oct. 21	98	Precipitator improvements bolster gas cleaner efficiency	Dec. 30	58	Survey of sulfite pulping and kraft processing	Dec. 23	40
Merichem Co., a division, modifies cresylic acid facilities at Green Bayou, Tex.	Nov. 18	18	Purchased 50% of the stock of General Industries	Oct. 21	109	Ultraviolet light is key to novel process for making ultrapure metals	Sept. 16	109
Jersey Central Power & Light Co. - coal-slurry combustion demonstration	Nov. 11-80	Nov. 17-79	Sales and earnings	Dec. 30	58	Little, Arthur D., de Mexico, S.A. - new subsidiary of A.D. Little	Oct. 14	149
Jet Stream Products - laundry machine	Dec. 23	25	Steel from copper slag heaps	July 15	17	Liton Industries - U.S. Engineering Co., a div., expands lab facilities	Nov. 4	96
Johns-Manville Corp. - flattening agent for paints called Super Fine Super Gloss	Nov. 25	88	Texas plant cleans up after Hurricane Carla	Dec. 16	89	Westrex Corp., a div., establishes worldwide network of irradiation service centers with Radiation Dynamics and Itoh Corp.	July 8	80
Miter-Seal, new technique in applying jacketed pipe insulation	Aug. 19	62	Wood preserving process called Cellon	Sept. 23	22	Lock Joint Pipe Co. - R&D center opened at Wharton, N.J.	July 22	47
Johnson Mining Co. - Colorado awards maximum allowable in death of uranium miner	Nov. 25	31	Kothari & Sons - nitrogen plant to be built at Tuticorin	Oct. 7	34	Lockheed Aircraft Corp. - nondiscrimination agreement at Marietta, Ga. is successful	July 1	22
Johnson, S.C. & Son - diphenolic acid going commercial	Dec. 30	51	Krebs & Co. - Moroccan fertilizer project scandal	Dec. 9	30	Ups state in solid propellants, acquires Grand Central Rocket	Sept. 16	27
Low-cost air fresheners	Dec. 9	88	Moroccan phosphoric acid plant contract. Phenol plant for India	Dec. 23	14	Lockheed-Georgia Co. - Georgia Nuclear Labs leased from U.S. Air Force	Nov. 25	58
Jones & Hunt Inc. - glass-fiber storage tank	Aug. 19	62	Kuhn, Loeb & Co. - marketing Harvey Aluminum common stock	Dec. 23	14	Lockheed Missiles & Space Co. - work in microminiaturization	Dec. 2	77
Jones & Laughlin Steel Co. - Jalliner steel pail uses plastic liner	Aug. 19	98	Kurashiki Rayon - Poval and Vinyl processes licensed to Hoechst	Dec. 16	112	Lone Star Producing Co. - natural gas joint venture at Nomanna, Bee County, Tex.	Nov. 18	10
Jones, Edwin M., Co. - natural gas joint venture at Nomanna, Bee County, Tex.	Nov. 18	10	Kuwait Petrochemicals Co. - petrochemicals project - output figures	Oct. 21	64	Long Island Plastics Corp. - rubber additive called Lipco Paste	July 8	99
Kahn & Co. - water brake	Nov. 25	94	Labatt, John, Ltd. - forms joint venture with Phillips-Duphar called Canada Duphar Pharmaceuticals	July 15	26	Long Point Corp. - receives favorable tax ruling on plan to acquire Republic Natural Gas Co., with four other concerns	Dec. 23	18
Kaiser Aluminum & Chemical Corp. - Argentine aluminum plant negotiations	Oct. 21	43	Forms new subsidiary, Labatt Industries Ltd., to replace special products division	Aug. 5	51	Los Angeles Drug Co. - drug distributor makes own drugs	Oct. 21	37
Cell operation in aluminum production improved 15%	Dec. 16	89	Lakeside Laboratories, Inc. - research center completed	Dec. 23	18	Ludwig Wilson Co. - acquired by Zep Manufacturing	Dec. 9	79
Financing plans for '61	July 22	27	LaPorte Chemicals Ltd. - technical aid provided to Peroxidos for hydrogen peroxide plant	Oct. 21	95	Lukens Steel Co. - first large plates of Hastelloy Alloy N	Dec. 2	58
Hydrogen fluoride and fluorocarbon plant to be built in Gramercy, La.	Oct. 7-25, Oct. 28-87		LaPorte Titanium Ltd. - titanium dioxide joint venture with American Potash & Chemical may be built at Mojave, Calif.	Oct. 14	33	Lummus Co. - hydrogen cyanide process	Sept. 16	104
Reactivates production to full capacity at Chalmette, La. reduction plant	Aug. 26	65	Lapp Insulator Co. - fluid metering pump	Aug. 19-26	27	Polybutadiene rubber plant to be built in Brazil with Firestone	Aug. 5	51
Sells \$60-million issue of first-mortgage bonds	Sept. 9	41	Laroche Bouvier - floating covers put lid on evaporation loss	Oct. 21	110	Lurgi - Moroccan fertilizer project scandal	Oct. 21	22
Kamuning Rubber and Tin Co., Ltd. - Hay, Sir John, predicts natural rubber prices	Dec. 9	101	LaTeX Fiber Industries, Inc. - wage pact	July 29	47	Will build detergents plant near Tripoli, Libya	July 29	18
Kanebafuchi Chemical - vinyl chloride export contract with the Red Chinese	July 8	84	Province unit planned	July 8	28	Will build p-xylene plant for California Standard and British Petroleum	July 15	26
Kanoria General Dealers - proposes carbon black venture with Phillips Petroleum	July 1	20	Leal Corp. - foam-in-place urethane packaging system	Oct. 21	52	Luther Celulose Papel S.A. - will build pulp plant in Parana	July 15	25
Kashu & Co. - paint team surveys U.S. and Canadian markets	Sept. 9	100	Lebec Chemical Corp. - acquired by Catalin	July 15	90	M&R Refractory Metals - new name chosen by Metals & Residues	Dec. 16	25
Kauffield, Theodore J. - Kneilling, J. proposes shipping Canadian sulfur via novel bulk train	Aug. 19	100	Ledoga S.p.A. - Italian venture formed with Miles to do research on dialdehyde starch	Sept. 9	39	MSA Research Corp. - research activities taken over by parent company, Mine Safety Appliances	Sept. 2	40
N.V. Kaweck-Billiton Metaalindustrie - rare metals plant planned	Dec. 30	40	Leeds & Northrup Co. - portable potentiometer	Oct. 21	52	Maas, A.R. - will absorb caustic potash output from Stauffer's Dominguez, Calif. plant	July 22	17
Kaweck Chemical - sales and earnings	Aug. 26	22	Lehigh Portland Cement Co. - wage hikes Aug. 5-106, Aug. 12-57	Aug. 5	56	MacKay-Shields Associates - Smith, George C., predicts plastic foam use by construction industry	Sept. 30	98
Kellogg, M.W. - naphtha-reforming process for making hydrogen	Oct. 21	61	Leitz, Ernst, GmbH. - automatic micro-photographic camera developed	Aug. 12-57		MacLeod Instrument Corp. - Discon, new digital converter	Sept. 30	36
Kemball Bishop - citric acid marketing problems	Oct. 21	98	Lemming, Thomas & Co. - acquired by Pfizer	July 29	27	Magna Products, Inc. - may acquire chemical properties for Thompson Ramo Wooldridge	July 29	10
Kemtrol Co. - gemicide-bactericide series	Sept. 30	62	Leonard Construction Co. - sulfuric acid plant being built for Climax Chemical	Nov. 18	16	Magneto-Chemie N.V. - platinumized titanium anodes - agreement with three other firms on patents and know-how	Sept. 9	90
			Leprechaun Mining and Chemical - trying to develop its findings of potash, lithium, cesium and rubidium in Nevada	Oct. 21	26	Mallinckrodt Chemicals Works Ltd. - fine chemicals facilities to be built at Pointe Claire, Que.	Sept. 9	41
			Leslie Co. - cryogenic control valve	July 15	18	Manitowoc Industries - proposes carbon black plant with J. Huber	July 1	20
			Lever Bros. - ammonia added to Handy Andy	Oct. 7	101	Mann Research Laboratories - bovine ribonuclease of extreme purity offered	Aug. 5	96
			Commended for way it handled re-employment of Cambridge, Mass. workers	Nov. 25	88	Steroid intermediates available	July 15	72
			Premeasured detergent called Measurematic	July 22	28	Manning, Maxwell & Moore, Inc. - Gauge & Instrument Div. - portable pressure gauge	Aug. 5	56
			Stannous fluoride version of Stripe toothpaste	Oct. 21	54	Manpower, Inc. - Salespower division -		
			Libbey-Owens-Ford Glass Co. - pay hike	Nov. 11	53			

temporary salesmen help Dow launch Dowgard line	Dec. 30	20	Miller Chemical and Fertilizer Corp. - acquired by Alco	Oct. 28	23	Gering Plastics	Dec. 30	11
Manzoor Chemical and General Industries - polyethylene plant to be built by two German firms	Oct. 21	32	Miller Chemical Co. of New Jersey - acquired by Alco	Oct. 28	23	Johns, Iral B., conducts coordination polymers research	Sept. 16	33
Maradel Products - new firm incorporated in Delaware	Nov. 25	27	Miller Chemical Corp. - acquired by Alco	Oct. 28	23	Labor agreement at Nitro, W. Va.	Oct. 28	54
Marathon International - oil refinery at Mannheim, West Germany joint venture with Wintershall AG	Dec. 2	30	Miller Products Inc. - Portland, Ore. specialties maker	Oct. 14	35	Lion Oil Div. - asphalt coating and primer for pipes	July 8	55
Marbon Chemical - polymers and resins plant to be built with Anchor Chemical	Oct. 21	26	Wine Safety Appliances Co. - Civilian Protection Div. will market air-filtering and oxygen-producing equipment for fallout shelters	Nov. 18	18	May obtain license to supply plutonium-beryllium neutron sources	Nov. 11	34
Mario Balestra & Co. - supplying know-how for detergents plant in Honduras	Aug. 19	27	Research activities consolidated	Sept. 2	40	Moroccan fertilizer project scandal	Oct. 21	23
Marine Colloids - completes three new drying plants	Sept. 9	39	Special adhesive makes a cheaper gas filter	July 15	98	Organic Chemicals Div. - Hehner, Harry discusses quality control testing program	Oct. 7	97
Marotta Valve Corp. - check valve	Sept. 9	39	Minera Asarco SA - ASARCO "Mexicanizes" holdings	July 8	18	Overseas buildup continues	Nov. 11	25
Martin Co. - American-Marietta merger approved by directors	Aug. 12	18	Mineral Concentrates and Chemical Co., Inc. - thermic-flotation extraction process for processing beryllium ores	Sept. 30	74	Pay hike at El Dorado, Ark.	Oct. 7	127
Floating nuclear power plant contract	Aug. 12	46	Minerals & Chemicals Philipp Corp. - government research contracts sought	Nov. 11	105	Personnel and projects at Dayton, O. labs will be moved to new research center	July 22	47
Gets set for big move into chemicals	July 8	21	Kaolin clay plant at McIntyre, Ga. will use ultrafiltration process	Oct. 28	26	Petroleum and petrochemical operations combined in new Hydrocarbons Division	Nov. 4	38
Research contract to study effect of surface coatings on the behavior of materials	Dec. 9	68	Sales and earnings	Aug. 26	22	Phenol capacity at Avon, Calif. plant	July 29	10
Martin Engineering Corp. - miniature vibrator	Sept. 30	38	Minerals Engineering Co. - vanadium pentoxide joint venture onstream at Garfield, Utah	Sept. 16	106	Phosphoric acid and sodium triphosphates plant to be built at Augusta, Ga.	Aug. 26	66
Martin-Marietta Corp. - dividend payment dates of proposed company	Oct. 7	34	Minneapolis-Moneywell - time-temperature indicator for frozen foods, drugs	Oct. 28	67	Plastics used in construction - new study	Aug. 5	118
Name of company to be formed by American-Marietta-Martin Co. merger	Aug. 12	18	Minnesota Mining and Manufacturing Co. - aluminized coatings	Aug. 19	57	Pulp and paper chemicals operations combined within Organic Chemicals Div.	July 15	26
Titan-III C booster for Dyna-Soar program	Dec. 30	13	Antitrust complaint filed by New Jersey Wood Furnishing	Dec. 9	29	Radioactive measuring devices used at Texas City plant	Nov. 4	170
Mason & Hangar - Iowa Ordnance Plant - Army contract for conventional ammunition	Sept. 9	43	Auto exhaust device should have 12,000 mile life span, says Ward Sandford	Sept. 2	26	Research complex dedication at Creve Coeur, Mo.	Nov. 11	108
Materialdyne Corp. - new firm devoted to basic research in metals and high temperatures	July 22	45	Di-Noc Chemical Arts merger negotiations	July 15	24	Research on arresting the process of physiological aging revealed	Nov. 4	101
Matsumita Electric - graphite fiber joint venture	July 8	57	Fluorocarbon-type surfactants	Oct. 21	26	Sales and earnings	Oct. 21	17
Mayan Line S.A. - sues Publicker in an effort to recover money Cuba owes it	July 1	18	Irrington Div. - Fluorel coated fabrics	Aug. 19	62	Self-thickening latex paint due soon	Sept. 30	80
Mayflower Vapor Seal Corp. - floating covers put lid on evaporation loss	Nov. 29	47	Price-fixing indictment by federal grand jury	Dec. 23	13	Styrene expansions at Texas City and Chocolate Bayou, Tex.	Nov. 11	17
McClintock & Robbins, Inc. - top drug distributor moves deeper into manufacturing	Oct. 21	37	3M symbol replaces company trademarks	Sept. 16	71	Texas plants clean up after Hurricane Carla	Sept. 23	21
McNeil Laboratories, Inc. - dedicates new headquarters at Fort Washington, Pa.	Oct. 14	149	3M vinyl tape patent case victory	Dec. 23	17	Thomas, Charles Allen calls for end to nuclear test ban	July 8	5
Mead Corp. - Rinsco premeasured package	Oct. 21	54	Zenith Plastics Co., a division, to be sold to Thompson Fiber Glass Co.	Sept. 30	18	Vanillin producer	Sept. 16	104
Mead Johnson & Co. - British Drug Houses accepts Mead Johnson's offer	Aug. 12	23	Mississippi Chemical - doubles nitrogen fertilizer capacity at Subsidiary Coastal Chemical	July 1	14	Monsanto Ltd. - antidumping legislation requested for U.S. polyethylene imports	Nov. 18	10
Makes \$14 million loan to British Drug Houses in return for 35% voting interest	July 8	25	Mississippi Valley Structural Steel Co. - boom called Powered Pipe moves fluids from docks to tankers	Nov. 4	131	Charges Italian firms with polyethylene "dumping"	Dec. 30	11
Merck & Co. - Ampol, poultry-feed additive, expansion at Elkton, Va.	Aug. 5	51	Mitsubishi Chemical - acrylonitrile prices cut, capacity upped	Nov. 25	121	Monsanto Research Corp. - government research contracts handled for Monsanto Chemical	Nov. 11	105
Aries, R.S., consultant, charged with stealing trade secrets	Nov. 25	23	Aluminum venture planned with Reynolds	Aug. 26	23	Montecatini - acquires interest in Delta Chemie who in turn will participate in Montecatini's Compagnie Neerlandaise de l'Azote	Oct. 7	26
Connor favors some changes in drug laws	Dec. 16	24	Mitsubishi Petrochemical Co. - joint company formed to produce polystyrene in Japan	Dec. 30	46	Ethylene-propylene rubber advances	Sept. 16	64
Connor, John T., states drug industry's seven big problems	July 29	5	Mitsui Bussan Kaisha - Japan grows for export role	Dec. 2	26	India and Japanese project negotiations	Nov. 4	160
Merck Sharpe & Dohme International - pharmaceuticals plant to be built in South Granville, Australia	Aug. 5	51	MO och DOMSJO AKTIEBOLAG - sodium borohydride bleaching of pulp and paper - development work with Metal Hydrides	Dec. 2	57	Indian's Sindr collects damages on fertilizer plant which fell short of designed-rated capacities	Sept. 9	34
Merck Sharp & Dohme - pharmaceutical facilities to be built at West Point, Pa.	Dec. 30	12	Mobay Chemical - key to uniform urethane foams	Dec. 16	97	Investing in Mexico's Tlaxcala State	July 22	18
Merck Sharp & Dohme Research Labs - thermophilic streptococci yields crystalline form antibiotic 19A	Nov. 11	79	Organic isocyanates plant to be built at New Martinsville, W. Va.	Aug. 12	23	Invites abroad to widen economic horizons	July 15	23
Pharmaceuticals plant at Caracas, Venezuela	Nov. 25	27	Research center to be built in suburban Pittsburgh	Sept. 30	88	Monsanto - core of Italy's CPI - Behind the news	July 1	5
Thibenzole, veterinary drug, unit to be built at Rahway, N.J.	Nov. 11	26	Urethane foam producer heads for a showdown on patent question	Oct. 21	21	cis-polybutadiene patents agreement with Shell	Sept. 16	17
"Vast conspiracy," asserts Aries	Dec. 16	21	Mobil Chemical Co. - benzene extraction facilities for Beaumont, Tex.	Oct. 14	33	Polypropylene filament yarn licensing agreement with ICI	Sept. 23	18
Merck Sharp & Dohme (Peru) S.A. - manufacturing operations start at new Lima plant	Dec. 16	25	Mobil Holdings, Ltd. - will acquire more than 90% of the shares of O. & W. Kleeman	July 29	18	Shrinkable polypropylene film marketing rights assigned to U.S. firm	Oct. 7	25
Merritt-Chapman & Scott Corp. - English Channel bridge plans	Sept. 23	102	Mobil Sekiyu - subsidiary of Socony-Mobil will take over part of Stanvac's Japanese holdings	Oct. 28	26	Morningstar-Paisley, Inc. - Aquafilm, joint venture of M-P and Watson Flour, will market water-soluble starch film and Mehoceal	Oct. 21	51
Metachem Resins Corp. - Merco Products Div. - epoxy casting compound	Sept. 2	51	Modern Solvents & Chemicals Corp. - new firm incorporated in Delaware	Nov. 25	27	Paper additive	Dec. 23	25
Metal & Thermit Corp. - Udyrite merger to accentuate coatings, metal plating line	Oct. 7	33	Mohawk Paper Mills, Inc. - wage pacts at Cohoes and Waterford, N.Y.	July 8	28	Morton Salt Co. - Dayton, O. cancels rock salt purchase agreement	Sept. 16	76
Metal Box Co. Ltd. - polypropylene film agreement with Shorko	Aug. 12	23	Molybdenum Corp. - Canadian columbium deposits interest	Sept. 23	90	Indicted on charges of fixing prices on rock salt	July 8	44
Metal Hydrides Inc. - alkali metal borohydrides exchange of information agreement with Buyer	Sept. 23	60	Molybdenum Corp. of America - rare-earth metals research program renewed	Nov. 4	92	Rock salt case - government files civil antitrust suit	July 22	36
Hydriplis, new lightweight source of hydrogen	Sept. 23	55	Mon-Dak Oil Corp. - acquires part interest in Honolulu Oil	July 8	25	Mountain Copper Co. - wage boost at Martinez, Calif. plant	Sept. 16	74
Sodium borohydride bleaching of pulp and paper - development work with MODO	Dec. 2	57	Receives favorable tax ruling on plan to acquire Republic Natural Gas Co. with four other concerns	Dec. 23	18	Multi-Mineral Products - sulfur deposits at Cody, Wyo. - lease negotiations completed	Oct. 28	26
Sodium borohydride plant nears completion	July 22	91	MonoSilicon, Inc. - acquired by Alloys Unlimited	Dec. 16	25	Naftone, Inc. - will purchase Roskydal-brand polyesters from Verona Chemical	July 29	18
Metallurgical Mexicana Penoles - "Mexicanized" mining company launches \$30-million expansion	July 1	19	Monroe Sander Paint Corp. - Silent Guard, new paint deaers sound	Nov. 25	98	Nalco Chemical Co. - rust inhibitor for salt	Oct. 28	49
Les Meleux Puits Pechiney-Ourtau M.P.O. - manganese data deal with American Potash & Chemical	Aug. 19	26	Monsanto Chemical Co. - ABS resins plant being built at Addyston, O. Aug. 5-11, Acquires Gering Plastics Division of Sludabaker-Packard	Oct. 14	123	TEL-TML plant	Nov. 11	63
Metro Adhesive, Inc. - new firm will make glues for bookbinding, packaging and paper converting industries	Oct. 21	52	Adipic acid - capacity, prices and consumption	Dec. 23	14	TEL-TML plant to use electrolytic process	Sept. 16	63
Metro-Atlantic Inc. - resin-base water repellent finish	Dec. 9	85	Ammonia plant to be built in eastern Iowa	Sept. 23	95	TM plant at Freeport, Tex. may purchase methyl chloride from Ancon	July 29	16
Metropolitan Refining Co. - silicidic, Vaporem R, for use in air-conditioning systems	July 8	99	Borrowing to finance worldwide expansion program	Sept. 23	26	Will absorb its wholly owned subsidiary, Visco Products Co.	Dec. 2	30
Micro-Biological Laboratories, Inc. - files charter of incorporation in Dover, Del.	July 29	29	Canadian made fumaric acid moves into food acidulant market	Dec. 9	29	Nanking Chemical Industry Co. - fertilizer expansion	Sept. 16	30
Midwest Foam Products Co. - acquired by Shelley Urethane	Oct. 21	26	Caprolactam polymerizing and casting	Oct. 21	98	Narmco Industries - ceramic binder called Pycerox	Sept. 9	86
Midwest Research Institute - cosponsors program to expand science, education and industry in the Midwest	Nov. 11	108	Employee retraining program	Aug. 5	100	National Bagasse Products Corp. - hardwood boards from bagasse - new process	Sept. 16	109
Germanium Information Center organized	Oct. 14	149	Ethyl paraffin and methyl paraffin insecticide prices	Sept. 30	44	National Carbon - graphite fabric designed for cleanup filter use	Oct. 14	130
Miles Chemical - Italian venture with Ledaga to do research on dialdehyde starch	Oct. 21	26	Ethylene dichloride cracking process to be used by subsidiary of Electro-Chemical	Dec. 23	46	National Cash Register Co. - encapsulation of solid rocket propellants - research work	Aug. 26	56
Miles Laboratories - aims for total sales volume of \$125 million by '65	Aug. 5	49	Hooker must divest itself of assets acquired in '58	Oct. 21	26	Parametron computer component patent rights obtained from Parametron Institute	Oct. 21	64
Stockholders to vote on tripling of shares from 2 million to 6 million	Nov. 11	26	Hydrocarbons Division - vinyl acetate monomer plant at Texas City	Sept. 9	33	Permanently inked porous rubber stamps	Nov. 25	86
Miles S.p.A. - joint venture of Miles Chemical and Ledaga will conduct dialdehyde starch research in Milan	Oct. 21	26	Decision stirs trade speculation	Dec. 9	17	National Chemical Products Ltd. - Kolchem, joint venture of Sasol and National Chemical Products, to produce acetone derivatives	Sept. 16	30
			Inorganic Chemicals Div. forms market development group	Dec. 16	18	National Container Corp. of Calif. - merges into Owens-Illinois Glass' new Forest Products Div.	Aug. 26	24
			Inorganic Chemicals Div. - phosphates plant to be built at Augusta, Ga.	Aug. 5	159	National Dairy Products Corp. - Humko Products Div. aims for larger slice of fatty acids market	Oct. 28	24
			Insecticide sales	Sept. 2	29	National Distillers and Chemical Corp. -		
			Integrating both ways in plastics; acquiring	July 22	96			

Bridgeport Brass Div. joins Cerro in feasibility studies on proposed aluminum reduction plant for Waua, Ore.	Aug. 26	22	NASA contract for liquid rocket engines research	Nov. 4	46	bets on by-product rich new process	Sept. 16	103
Enlarging storage capacity of Federal Chemical Co. - heavy-duty, high-density polyethylene bags	Dec. 16	25	Rocketdyne Div. - desalting pilot plant	Nov. 11	75	Wage hike	Oct. 28	54
Linear polyethylene venture with Owens-Illinois Glass	Nov. 25	40	Rocketdyne Div. - flowmeter calibrator	Aug. 5	56	Oxy Chemical Corp. - Textile resin called Oxyet A-5	July 15	90
U.S. Industrial Chemicals Co. - Cesium producer	July 15	25	Rocketdyne's new cryogenics laboratory	Dec. 9	58	Opinion Research Corp. - survey shows security analysts losing confidence in CPI's growth prospects	Aug. 26	60
National Farmers Union Service Corp. - Kemac Potash, 50-50 venture of Kerr-McGee and National Farmers	Aug. 5	118	Rocketdyne Div. - liquid-fueled F-1 engine	Aug. 26	21	Surveys CPI's reactions to Kennedy's economic policies	Sept. 23	32
National Gypsum Co. - gypsum building products plant at Port Tampa, Fla.	Oct. 7	26	North American Coal Corp. - alum production-marketing venture with Borden	Oct. 7	106	Optics Technology, Inc. - infrared crystalline fibers R&D contract	Dec. 9	68
National Helium Corp. - helium extraction unit at Liberal, Kan. will be operated under U.S. purchase contract	Sept. 9	41	Common stock offering: aluminum sulfate plant due onstream by year's end	Sept. 30	25	Ribbon-shaped probe for radioactive reactors inspection	July 8	57
National Industries - drum mixer called NIMixer	Oct. 21-18, Nov. 25-18		Northern Gas Products Co. - natural gas liquids extraction plant to be built at Bushton, Kan.	Aug. 5	49	Ora-Dent Corp. - tablets for teeth called Foam-Ettes	Sept. 16	54
National Lead - titanium dioxide pilot plant will use tetrachloride approach	July 8	54	Northern Natural Gas Co. - adds to capitalization structure, prepares for new chemical venture	Aug. 5	49	Oregon Metallurgical Corp. - tungsten alloy can be rolled from ingot to sheet or tube	Aug. 5	99
Will study feasibility of treating Norwegian limonite	Sept. 9	89	Northrop Corp. - Northrop Space Laboratories established	Dec. 30	48	Oregon Research Associates, Inc. - new non-profit group will expand research activity in Oregon	July 29	29
National Patent Development Corp. - acquires licensing rights for 50-70 Soviet patents	Dec. 16	25	Norton Co. of Canada Ltd. - two-year contract with United Steelworkers	Dec. 2	62	Organa Trust - forms company with Stein, Hall to handle sales and research for Pakistan Gum Industries	Oct. 21	26
National Petro Chemicals Corp. - joint venture of Owens-Illinois and National Distillers will operate linear polyethylene plant	July 22	27	Northwest Utilities Ltd. - will pipe gas to Steelman's hydrocarbon extraction plant near Edmonton, Alta.	Sept. 16	30	Organico - synthetic textile activities acquired by Rhodiacheta	July 8	18
National Phosphate Corp. - expansion plans: phosphoric acid capacity increase; sulfuric acid plant	July 15	25	Nova Beaucage Mines - plans to tap Canadian columbite deposits	Sept. 23	90	Oronzio de Nora - Kuwait petrochemical project	July 15	26
National Plastic Products - acquired by Enjay and Stevens	Aug. 26	24	Nova Scotia Pulp Ltd. - Port Hawkesbury, N.S. mill may be tied up with CIL's chlorine plant	Oct. 21	22	Orthman Laboratories - acquired by American Bio-Synthetics	Oct. 28	40
National Plastics - Pacific Industries acquires 80% interest	Sept. 2	22	Novamont - polypropylene film, resin, and fiber plants at Neal, W. Va.	Nov. 11	26	Overseas Management Services Inc. - will operate Bon Ami's international division	July 22	84
National Research Corp. - encapsulation of solid rocket propellants - ARPA contract awarded to NRC	Dec. 23	14	Noville Essential Oil Co. - urethane foam masking agents	July 15	91	Owens-Corning Fiberglas Corp. - technical center dedicated at Granville, O.	Oct. 14	146
National Research Council (Canada) - wood-derived fibres - development	Aug. 26	56	Nuclear-Chicago Corp. - activation analysis laboratory	Nov. 25	58	Owens-Illinois Glass Co. - corporate research and development activities reorganized	Oct. 28	40
National Research Development Corp. - fuel cell R&D combine formed with three other concerns	Sept. 16	106	Nuclear Materials and Equipment Corp. - plutonium-beryllium neutron sources supplier	Nov. 11	34	Household & Chemical Div. - housekeeping products survey	Nov. 25	84
National Silicates Limited - anhydrous sodium metasilicate production planned	Nov. 25	27	Nuclear Metals, Inc. - beryllium forms to be used in nuclear work	Dec. 9	64	Linear polyethylene venture with National Distillers	July 15	25
National-Standard Co. - Reynolds Div. - high-temperature wire cloth	Oct. 28	97	Nuclear Products Co. - static neutralizer	Sept. 2	31	MII, multiwall bag, and paper products divisions and National Container Corp. of Calif. combined into newly organized Forest Products Div.	Aug. 26	24
National Starch and Chemical Corp. - anti-flame paint latex	Sept. 16	54	Nuclear Research Institute - helium liquefaction installation	Dec. 30	37	Plastic Products Division formed	Dec. 16	40
Common stock offering	Nov. 4	47	Nypac, Inc. - expanding in photographic and pharmaceutical chemicals	July 1	38	Oxford Chemical Corp. - acquires American Chemical Co., S and S Chemical Co., and Avril of Florida Inc.	Aug. 26	24
Polyvinyl acetate copolymer plant to be built at Meredosia, Ill.	Nov. 11	106	Odessa - styrene expansion at Odessa, Tex.	Nov. 11	17	Oxy-Catalyst Inc. - catalytic smog device application withdrawn	Nov. 4	44
Vinyl acetate monomer plant slated for Gulf Coast	Oct. 28	18	Oesterreichische Stickstoffwerke AG. - polyacrylics production planned with Lenzing	Sept. 2	28	Ozark-Mahoning Co. - Brownfield, Tex., sodium sulfate plant expansion completed	Dec. 2	30
Vinyl acetate monomer plant to be built at Seadrift, Tex.	Aug. 5	37	L'Office Cherifien des Phosphates (OCP) - phosphate drying processes under investigation	July 1	43	PBA Pharmaceuticals - new firm incorporated in Delaware	Nov. 25	27
National Steel Great Lakes Div. - patent on columbium steel received	Oct. 21	17	Ohio Fuel Gas - FPC approves proposed natural gas pipeline extension to Du Pont's methanol plant at Huron, O.	Sept. 9	33	Pacific Chemicals - will purchase carbon tetrachloride from ICI	Nov. 11	26
Nelco Metals - Pfizer issues common stock to acquire Nelco	Dec. 2	58	Ohio Oil Co. - Aurora will build benzene-toluene facilities at Detroit	Nov. 4	47	Pacific Engineering & Production Co. - ammonium perchlorate and sodium chlorate expansions	Aug. 26	24
Neville Chemical Co. - acquires controlling interest in Western Organics	Sept. 9	33	Moves to acquire Plymouth Oil Co. Petrochemical research and development unit organized	Dec. 23	18	Borrowed \$2.4 million from American Cyanamid to build a 5,000-tons/year sodium chlorate plant and to double ammonium perchlorate capacity	Dec. 16	22
New Brunswick International Paper Co. - labor agreement	Oct. 14	33	Ohmart Corp. - level controller	Sept. 23	26	Pacific Gas & Electric - will build A-plant to supply electric power to San Francisco area	July 8	22
New England Lime Co. - merger with Pfizer completed	Nov. 4	74	Oil Reserves Corp. - gas-products plant planned for Quicksand Creek Field, Tex.	Oct. 7	99	Pacific Industries - acquires 80% interest in National Plastics	Dec. 23	14
New England Materials Laboratory - internal oxidation process for forming oxide particles within alloys	Nov. 4	45	Ok-Tex Chemicals, Inc. - acquired by Philips Electronics & Pharmaceutical Industries Corp.	Dec. 30	12	Pacific Northwest Pipeline Co. - merger with El Paso Natural Gas may get green light from Supreme Court	Sept. 9	38
New Jersey Wood Furnishing - antitrust suit against JW	Sept. 2	40	Olano - nitrogen fertilizer project approved	Dec. 2	21	Pacific Petroleum - petrochemical venture in Vancouver considered	Dec. 2	25
New Surpass Petrochemicals - fails to sell out to its major customer	Nov. 11	26	Old Town Corp. - two for byproducts: Over-Type correction paper and Over-Type type cleaner	Nov. 18	15	Pacquin, Inc. - acquired by Pfizer	Nov. 18	16
New York Life Insurance Co. - acquires first-mortgage bonds from Kaiser	Dec. 9	29	Olin Mathieson - antibiotics suit - FTC rules for dismissal of '58 complaint	July 8	96	Pakistan Gum Industries - sales and research to be handled by firm being formed by Organa Trust and Stein, Hall	Oct. 21	26
Newport Plastics - acquired by Hungerford	Nov. 18	9	Carbon dioxide price fixing suit	Nov. 18	9	Palmer Chemical & Equipment Co. - gun-like device shoots anesthetic into wild animals	Sept. 30	59
Nichols Engineering & Research Corp. - spray drying research plant at Burlingame, Calif.	Nov. 25	84	Contempt-of-court case Sept. 16-78	Dec. 23	13	Pan American Petroleum Corp. - acquires part interest in Honolulu Oil	July 8-25, Oct. 28-26	
Nihon Gas Kagaku Kogyo KK - urea producer switches to total carbamate recycle process	Oct. 28	40	Nov. 25-24, Dec. 8-29	Dec. 30	10	Drills well to prove sour gas reserves near Riverton, Wyo.	Oct. 7	34
Nihon Shokubai - acetal resins pilot plant uses process similar to Du Pont's	July 8	57	Chlorine and caustic plant at Charleston, Tenn. - industrial bonds to finance construction	Sept. 9	41	Pan American Sulphur Co. - earnings are down 25.4%	Sept. 2	26
Nippon Paint - Japanese team surveys U.S. and Canadian paint markets	July 29	45	Collyer, John, objects to ICC ruling on barge shipments	Sept. 16	68	Panhandle Eastern Pipe Line Co. - helium conservation contract contender	Sept. 9	57
Nippon Petrochemicals Co. - Japan groups for export role	Sept. 9	100	Files made sterile with new chemical called Apholale	Nov. 4	102	Pantasote Co. - PVC film price raise	Dec. 16	117
Nippon Rayon - Nylon-6 tire yarn licensing deal with Von Kohom	Dec. 2	26	Glycerin production	Oct. 21	103	Par Industries - aerosol propellants line	Oct. 7	42
Nitto Chemical - acrylonitrile producer cuts prices, boosts capacity	Oct. 21	32	Glycerin route based on conversion of propylene oxide into allyl alcohol	Oct. 7	83	Parametron Institute - Parametron computer component patent rights to National Cash Register	Oct. 21	64
Noguchi Institute - lignin liquefaction process licensed to Crown Zellerbach	Nov. 25	121	Guinea may nationalize Fria alumina operation	Dec. 23	19	Parfumerie Internationale Corday - acquired by Max Factor	Aug. 5	142
Nopco Chemical Co. - Industrial Div. - emulsifiers help form insecticidal solutions	Oct. 21	64	Illinois tax suit - new hearing ordered	Nov. 18	14	Parfums Corday, Inc. - acquired by Max Factor	Aug. 5	142
Isocyanate plant at Linden, N.J. due onstream in early '62	Nov. 25	88	Increasing investment in Onal, O. aluminum rolling mill	July 22	27	Parke, Davis & Co. - job-sharing plan turned down	Sept. 30	48
Toluene diisocyanate unit under construction at Linden, N.J.	Dec. 23	45	Labor peace formula	Sept. 2	35	Joint European venture	Dec. 30	58
Will produce urethane foam on site purchased from Brown Rubber	Oct. 21	18	Labor settlement	Aug. 5	106	Overseas sales force	Sept. 9	72
Nopco Chemical Canada Ltd. - acquires Canadian Aniline & Extract Co., Ltd.	July 15	26	Olin Brass Div. - expansion and modernization	Aug. 26	23	Pharmaceuticals plant and sales office at Karachi, Pakistan	Nov. 25	27
Purchased Canadian Aniline and Extract	Dec. 2	54	Organics Div. firms up plans for 40-million-lbs./year glycerin plant	Oct. 7	31	Taylor, A.R., reports discovery of virus that may cause cancer in human beings	Sept. 2	53
Noranda Mines, Ltd. - research center planned for Montreal	Dec. 9	30	Osborne, Stanley and John Logan - defense witnesses in Penn-Olin antitrust case	Oct. 7	31	Parker, A.J., Co. - acquires Drug Specialties, Inc. and Hart Drug Co.	Nov. 25	84
Norlac Engineering and Manufacturing Co. - flowmeter calibrator	Oct. 7	92	Researchers' rate project indexes	Nov. 25	24	Parker Rust Proof - merging with Hooker Chemical	Nov. 4	47
North American Aviation, Inc. - Atomic International - thermionic generator operates on propane and air	Aug. 5	56	Soap bacteriostat	Oct. 14	143	Parkership-Aetna Corp. - Building Div. - metal buildings for housing equipment, offices and warehouses	Nov. 4	172
B-70 airplane will use kerosene-type petroleum mixture	July 29	45	Squibb Co. - Console, A.D., supports drug patent bill	Aug. 19	78	Parsons, Ralph M. Co. - phthalic anhydride plant to be built for Allied at El Segundo, Calif.	Aug. 12	45
	Oct. 28	38	Squibb is named co-conspirator in anti-biotics antitrust suit	Nov. 18	159			
			Squibb Div. - novel cell-breaker	Aug. 26-17, Sept. 16-28				
			TV's "Continental Classroom" sponsored by Olin	Nov. 11	108			
			Textone, new continuous bleaching process for synthetic and natural fibers	Oct. 7	127			
			Olin Oil & Gas Corp. - stock exchange with Humble	Oct. 14	98			
			Ontario Paper Co. Ltd. - vanillin producer	Dec. 2	30			

Phthalic anhydride plant to be built for Stepan in Puerto Rico	Nov. 4	38	Strike at Adams Terminal ends	July 1	48	Awards contract to Battelle for study of direct conversion of fission energy into electricity	July 22	75
Patin Chemical Co., Inc. - cleaner-stripper called Patcin 601	July 1	59	Phillips Petroleum Co. - anti-icing jet fuel additive has two licenses	Aug. 5	37	Precious Metals Recovery Corp. - Mechano-chemical device for reclaiming gold	July 8	96
Patterson-Kelley Co. - continuous solids blending	Dec. 9	114	Electromechanical building to be built at Bartlesville research center	Nov. 18	175	Premier Steel Mills Ltd. - iron ore shipments by pipeline considered	Aug. 19	78
Pechiney Chemical - aluminum exports to U.S.	Dec. 2	67	Helium recovery plants to be built in Texas	July 15	68	Prescott, J.L. Co. - Dazzie Pac-O-Fluff softener - sales spurt for fabric softeners	Dec. 30	36
Pechiney-Outreau, joint venture of Pechiney and Les Acleries de Paris, to produce manganese	July 22	92	High-density concrete-shielded cell	Nov. 25	58	Presto Chemicals Inc. - fire-retardant Gel Coat	Oct. 21	56
Peerless Tube Co. - plastic squeeze tube licensing agreement with Thatcher Glass	Aug. 19	100	High-purity methane user	Sept. 23	90	Procon Inc. - subsidiary of Courtaulds will provide know-how, plant and machinery for Polish acrylic fiber plant	July 29	9
Pemco Corp. - acquired by Glidden	Aug. 19-26, Nov. 18-18		May build carbon black plant with Kanoria General Dealers of India	July 1	20	Procter & Gamble - antidandruff shampoo called Head & Shoulders	Nov. 4	47
Pemco Manufacturing Co. - dolly for moving cans, tubs and bins	Oct. 28	97	cis-4-Polybutadiene pushed for use in tires	July 15	104	Asks FTC order for antitrust hearing on acquisition of Clorox Chemical be set aside	Dec. 2	22
Penick, S.B. & Co. - benzoyl formic acid and methyl benzoyl formate available	Sept. 23-25, Nov. 4-8		Polyethylene patent suit with Du Pont settled out of court	Sept. 2	27	Clorox Chemical merger does not violate antitrust act	July 8	44
Penn-Dixie Cement Corp. - wage hike	Aug. 12	57	Propane will be piped to Texas Eastman's polypropylene plant	Sept. 23	17	Data processing payout to surpass \$2 million mark	Sept. 23	27
Penn-Olin Chemical - antitrust case gets under way	Nov. 11	18	Sold interest in FCRDC to Kerr-McGee and National Farmers	Oct. 7	26	Downy softener - sales spurt for fabric softeners	Dec. 30	36
Antitrusters attack joint ventures in sodium chlorate case	Nov. 18	13	Texas court rules union responsible to members for bad advice during strike at Borger, Tex.	Aug. 5	104	Dry bleach called Stardust	Oct. 21	56
Defense witnesses take stand in antitrust case	Nov. 25	24	Will build alkylation unit at Woods Cross, Utah refinery	July 8	84	FTC procedure is real target of court suit	Dec. 9	47
Joint venture trial closes	Dec. 2	29	para-Xylene unit at Big Spring, Tex., operated by Corden	Sept. 16	63	Fluoride toothpaste promotion buildup	Sept. 2	45
Sodium chlorate plant at Calvert City, Ky. is onstream	Sept. 16	94	Phoenix Reinrohr Corp. - Central American fertilizer project	Oct. 14	30	Johnson, Arthur discusses quality control testing	Oct. 7	97
Penn Fluore Metals - cesium producer	Aug. 5	118	Phoenix Steel Corp. - Jazwinski, Stanislaus, offers tips for designing equipment with special steels	Oct. 28	91	Prefab models of plants out construction, materials costs	July 29	30
Pennsalt Chemicals Corp. - British Columbia chlorine-caustic project depends on power costs	Nov. 18	15	Photostat Corp. - unfair competitive practices suit filed against Klander, Inc.	Nov. 25	31	Prevention pays dividends in pollution control	Aug. 5	52
Teflon-type material developed	Nov. 25	75	Pinoya Holdings Ltd. - Unilever's bid accepted by 90% of stockholders	Oct. 14	33	Sales and earnings	Aug. 26	22
Pennsylvania Glass & Sand Corp. - silica purification plant to be built at Columbia, S.C.	July 15	26	Unilever seeks to acquire Pinoya	Aug. 26	18	Soap bacteriostat	Aug. 19	78
Pemboscot Chemical Fibre Co. - wage agreement	Aug. 5	106	Pitman-Moore Co. - measles vaccine research	Nov. 25	58	Thomas Hedley subsidiary test marketing Spic detergent tablets in Britain	Dec. 30	37
Perini Ltd. - builds new labs for Canadian Industries Ltd.	Nov. 4	92	Pittsburgh Coke & Chemical Co. - coke-oven gas used in blast furnace	July 8	65	Winton Hill Technical Center expansion	Oct. 14	149
Perkins Glue Co. - acquired by Spencer	Dec. 9	118	Deal with Thompson Ramo Wooldridge rumored	July 29	9	Proctor Chemical Corp. - expansion plans	July 22	30
Petmacal - cold-weather plastic tape	Nov. 4	52	Pittsburgh Plate Glass Co. - acrylic resins plant may be built at Circleville, O.	Aug. 26	24	Publicker Industries - Kennedy favors surplus com deal to cut dependence on Cuban molasses	July 1	18
Electrostatic shielding tape	Nov. 25	88	Bingham, Chris F. - defense witness in Penn-Olin antitrust case	Nov. 25	24	USDA-Publicker surplus com deal goes through	July 1	13
Permanent Cement Co. - cement plant for Helena, Mont.; Yellowstone Dam project at Hardin, Mont.	Oct. 14	33	Bingham, Chris F., predicts boom in chemical industry sales	Sept. 30	21	Pulp and Paper Research Centre, Inc. - dualator mixer improves defibering two ways	Nov. 4	167
Peroxidos S.A. - LaPorte Chemicals will provide technical aid for autoxidation hydrogen peroxide plant	Oct. 14	33	Chemical Div. - methyl chloroform plans confirmed	Nov. 4	38	Pulp and Paper Research Institute of Prague - wood pulping process uses methanol	Nov. 11	75
Pet Chemicals - home lumigant	July 8	99	Chemical Div. - methyl chloroform plant to be built at Lake Charles, La.	Sept. 9	34	Purdue Frederick Co. - pinworm drug called Pripsen	Nov. 11	79
Peterson, Arthur V., Associates - working with Don-Oliver on phosphate drying process study	July 1	43	Paint and plastic developments outlined at opening of consumer products research lab at Springdale, Pa.	Nov. 18	176	Purdue Research Foundation - developing research park, McClure Park, at West Lafayette, Ind.	July 22	47
Peterson Filters & Engineering Co. - drum filter	Sept. 2	60	Sodium chlorate plant under construction at Lake Charles, La.	July 29	18	Pure Oil Co. - American Mineral Spirits Co., a division, plans to merge with W.H. Barber Chemical	Dec. 9	30
N.V. Petrochemie AKU-AMOCO - Joint venture of AKU and Amoco will make dimethyl terephthalate in the Netherlands	July 29	18	Strike settled at New Martinsville, W. Va.	Nov. 25	30	Ammonia plant planned for Worland, Wyo.	Oct. 21	26
Petroquímica Argentina S.A. - petrochemical complex plans	Nov. 25	27	Tetrachloride approach to making titanium dioxide - development work	Sept. 9	89	Contract for refinery workers	Dec. 30	63
Will benefit from Argentina's new investment regulations	July 8	22	Two-year contract	Dec. 16	130	Purex Corp. - Expansions continue, acquires Potter Drug and Chemical	Aug. 26	23
Petro-Tex Chemical Corp. - Lockheed assumes complete control of Grand Central Rocket	Sept. 16	27	Pittsburgh Plate Glass International - forms new company, Chemica Sarda, with Rumianca	Oct. 14	26	Two-for-one stock split	Dec. 2	30
Maleic anhydride being marketed by FMC	Dec. 2	68	Plantabos Corp. - flower dryer	Sept. 9	86	Washburn, T.F., division, develops emulsion polymers for floor finishes called Polymax	Aug. 19	36
Petrolonics Co. - uranium mill being built in the Shirley Basin area of Casper, Wyo.	Sept. 16	30	Plastic Associates - epoxy cement	Nov. 11	92			
Petrovsk Metallurgical - oxygen and natural gas tried out in blast furnace	Sept. 2	54	Plastic Cement - acquired by Helene Curtis Industries	Dec. 30	8			
Pfanzelt Laboratories, Inc. - Creatine process	Sept. 23	50	Plasticon Corp. - polyethylene containers for chemicals	Aug. 19	99			
Pfaunder Permutit Inc. - Ionac Chemical - cooling water biocide	Nov. 25	86	Plasti-Kote - aerosol paint plant opened at Medina, O.	Nov. 25	86			
Packaged chlorine drying system	Dec. 9	114	Plastineers Corp. - polyethylene containers for chemicals	Aug. 19	99			
Pfizer, Chas., & Co. - acquires Thomas Leeming & Co. and Pacquin, Inc.	Nov. 18	16	Plax Corp. - Monsanto has 50% stake	Dec. 30	11	Quaker Oats Co. - Chemical Div. - furfuryl alcohol expansion at Omaha, Neb.	Nov. 18	18
Antibiotics market indicted again on price fixing charges	Aug. 26	17	Polyethylene containers for chemicals	Aug. 19	97	Quantatron, Inc. - laser and maser research lab established	Oct. 28	40
Pleads not guilty	Sept. 16	28	Plymouth Oil Co. - Ohio Oil Co. moves to acquire Plymouth	July 1	59	Quantum, Inc. - Wurtz synthesizes used to make long chain aliphatic hydrocarbons	Aug. 26	55
Pleas in antitrust suit - FTC rules for dismissal of '58 complaint	Nov. 18	9	Petrochemical plant at Texas City ready for full-scale production	Dec. 23	18	Quebec Iron and Titanium - will study feasibility of treating Norwegian limonite	Aug. 5	88
Banks on overseas branches, new products, to maintain growth	July 1	18	Podar Sons Pvt. Ltd. - U.S. financial and technical backing sought for three projects	Oct. 14	123	Quebec Lithium - lithium hydroxide monohydrate plant	Dec. 16	25
Dept. of Biologicals Research - measles vaccine research	Nov. 25	56	Polaroid - incandescent lamp developed with Carbide	Sept. 30	25	Lithium hydroxide monohydrate production plans	Sept. 23	90
Globe Laboratories acquisition	Sept. 2-29, Oct. 7-34		Polimex - acrylic fiber plant to be built by Courtaulds	Aug. 19	77	Quinacis Dinant - detergents project	Oct. 14	123
Line and Nelco Metals	July 22	18	Pollution Control Engineering, Inc. - novel oil-water separator	July 29	9			
Monosodium glutamate production planned	Nov. 25	105	Polymer Corp. Ltd. (Canada) - awards contracts to Catalytic Construction for polybutadiene plant at Samia	Dec. 9	99			
New England Lime merger completed	Nov. 4	45	Ethylene-propylene copolymer imparts ozone resistance to synthetic rubbers	July 15	26			
Polio vaccines - English subsidiary to produce Type-2 oral vaccine	Oct. 21	44	Lignin masterbatch reduces normal SBR production to 25%	Sept. 2	53	Radiation Applications Inc. - adhesive for polyolefins	Nov. 4	42
Polio vaccines - PHS licenses Pfizer to produce Type 1 polio vaccine	Aug. 26	29	Opposes General Tire's oil extended rubber patent	Sept. 16	106	Ion-exchange and permselective membranes called Permion	Sept. 23	50
Quarterly dividend 25¢ extra	Dec. 2	21	Synthetic natural rubber license from Goodrich-Gulf	Sept. 9	89	Nylon adhesive	Dec. 9	85
Sabin polio vaccine licenses	Nov. 4	44	Polymer Corp. (Pa.) - caprolactam - new process simultaneously polymerizes and casts polymer into large shapes	Oct. 28	68	Radiation-grafted polypropylene may be key to new sunflower felt	Nov. 25	76
Pfizer Canada - citric acid marketing problems	Oct. 21	98	Whirlacid plastic-coat process boosts filter press plates' life	Aug. 5	99	Radiation Dynamics, Inc. - establishes worldwide network of irradiation service centers with Westrex and Itoh Corp.	July 8	80
Pfizer International - antibiotics, veterinary drugs plant to be built near Taipei, Formosa	Oct. 21	98	Polymer Industries (Conn.) - size binder for fiber blends	July 15	91	Radiation applications accelerators symposium	Oct. 21	89
Philadelphi Suburban Water Co. - forms joint subsidiary with Indianapolis Water Co. to produce water treatment products	Aug. 19	27	Pomar Corp. - acquired by Catalin	Sept. 9	39	Radio Corporation of America - cadmium sulfide is key to tiny transistors	July 15	65
Philips-Duphar - forms joint venture with John Labatt called Canada Duphar Pharmaceuticals	Aug. 5	51	Porter, H.K., Co. - strike settled at Pascagoula, Miss.	July 8	28	Chemical processing-electronics industries tie-in	Dec. 2	77
Philips Electronics & Pharmaceutical Industries Corp. - four chemical companies will be acquired	Dec. 2	21	Potash Co. of America - Saskatoon, Sask., plant to be in operation in '63-'64	Dec. 2	71	Gemanium and silicon alloy - new thermoelectric material	Nov. 25	75
Transfer of Thompson-Hayward Chemical from Consolidated Electronics	Dec. 2	22	Potlatch Forests, Inc. - papermaking by computer will cut process downtime and costs	Nov. 25	94	PERT method offered to users of RCA 501 Electronic Data Processing System	Sept. 16	109
Philips Chemical Co. - Ammonium nitrate fertilizer storage facilities at Cactus, Tex.	Dec. 23	34	Potter Drug and Chemical Co. - acquired by Purex	Aug. 26	23	Photo-multiplier tube used in automatic camera	July 29	27
Cubbage, Thomas L. will head petrochemicals subcommittee of the National Petroleum Council	July 8	44	Pratt & Whitney Aircraft - advanced Materials Research & Development Laboratory established	Oct. 14	146	T.I. "Continental Classroom" sponsored by Olin and RCA	Oct. 7	127
Cyclohexane expansion at Sweeny, Tex.	July 1	13				Transistor handles up to 40% of the jobs		
Distillation tower made from columbium	Oct. 14	97						

carried out by more than 2,000 different units	Sept. 2	54	to be built on site acquired from Kennecott at Tonawanda, N.Y.	Oct. 28	23	Schlumberger, Ltd. - computer control development and marketing agreement with Division	Sept. 16	64
Will build seven capsules to flight-test ion engines	July 22	76	Robin-Seaway Industries - Space Metals Division formed	July 22	30	Schulman, A., Inc. - hospital and surgical insurance plan	Nov. 11	53
Ramcor Corp. - ball valve actuator	Oct. 21	110	Rochester Aerosol Corp. - new competitor in pressure packaging field	Nov. 11	91	Schutte & Koerting Co. - rotameter transmitter	Aug. 19	62
Rand Development Corp. - De Carvalho, Sergio, reports discovery of virus that may cause cancer in human beings	Sept. 2	53	Rockefeller Institute - increases allocations for scientific work	Sept. 23	56	Schwarz BioResearch, Inc. - halogenated deoxynucleosides available	Aug. 5	96
Raritan Plastics Corp. - opens new plant in Oakland	July 22	84	Rockwell Manufacturing Co. - Meter and Valve Div. - large-valve actuator	Oct. 28	94	Laboratories and production facilities at Orangeburg, N.Y.	Nov. 25	58
Raybestos-Manhattan - masonry cement	July 15	91	Plastic gas meters search	Nov. 11	87	Scientific Design - air oxidation is key to new adipic acid process	Aug. 5	83
Reasor-Hill Corp. - weed-killer suit settled	Sept. 23	34	Plug valve	Sept. 30	38	Will build adipic acid plant for Rohm & Haas	July 1	13
Regal Air Corp. - aircraft rain repellent	July 22	84	Rocky Mountain Chemicals - soda ash-ammonium chloride project considered	Aug. 5	125	Scott Paper Co. - McCabe, Thomas, reports on financial situation and new Japanese venture	Sept. 30	23
Reichhold Chemicals, Inc. - alkyd resin	Dec. 23	25	Rohm & Haas - acrylic emulsion copolymer for thickening aqueous and polar-solvent systems	Sept. 9	82	Pay hike at Winslow and Madison, Me. plants	Sept. 23	36
Distributes 2% August stock dividend	July 8	25	Adipic acid - capacity and consumption	Sept. 23	95	Waste paper treatment system completed at Noble, Ala.	Nov. 25	70
Establishes branch in India, links up with plastics molder in U.S.	Aug. 12	20	Adipic acid production ahead; SO's air oxidation process chosen	Aug. 5	83	Seagrave Corp. - acquires U.S. rights to European process to turn garbage into organic compost	July 1	44
Indian resins venture formed with Simpson & Co.	Sept. 30	25	Adipic acid project revealed	July 1-13, Nov. 25-18		Sea-Land Service, Inc. - sodium bisulfite figures in freight-rate battle	Dec. 30	14
Merges Japanese affiliate with Dai Nippon Ink	July 22	18	Aries, R.S., consultant, charged with stealing trade secrets	Nov. 25	23	Sears, Roebuck & Co. - drugstore chain planned	Oct. 21	40
Mexican investment program	Sept. 23	18	Fire and disaster drill at Houston Ship Channel plant	Nov. 4	170	Enters coin-operated drycleaner business	Dec. 9	85
Polyamide resins tagged for hot-melt adhesives	Dec. 16	31	Germ-killing concentrate called Hyamine 3500	Nov. 25	86	Soil-Set marketing agreement	Oct. 28	23
Polyvinyl acetate emulsion plants at Azusa, Calif. and Tacoma, Wash.	Sept. 9	99	Low-inhibitor-level methyl acrylate and ethyl acrylate monomers	Sept. 2	51	Selas Corp. - naphtha-reforming process for making hydrogen	Oct. 21	61
Will build R&D lab at Tacoma, Wash.	July 22	45	Plasticizers for polyvinyl chloride	Sept. 30	62	Selas Fibronics Div. - micron filter	Nov. 25	94
Reichhold Chemicals de Mexico, S.A. - chemical complex plans	Sept. 23	18	Rona Pearl Corp. - pearl pigment powder	Nov. 4	52	Sel-Rex Corp. - gold plating process	July 1	38
Reichhold Chemicals India Private Ltd. - joint venture of Reichhold and Simpson, will build resins plant at Madras	Sept. 30	25	Ronco Laboratories - rust preventive called Ferro-Gard	July 15	90	Semi-Alloys, Inc. - high-vacuum forming process for gold spheres	Nov. 4	88
New joint venture of Reichhold Chemicals and Simpson & Company	Dec. 30	58	Rosenstein and Gorin - desalting concepts used by Rocketdyne	Nov. 11	75	Semi-Elements, Inc. - copper crystals for use in neutron spectrometers	Dec. 2	78
Relilly Tar & Chemical - joint European venture	Sept. 16	64	Royal Research Corp. - underwater seismographic station project	Aug. 5	99	Laser crystal facility set up; expands single-crystal production work	Oct. 21	95
Remington Rand - computer control development and marketing agreement with Westinghouse	Nov. 18	15	Royco Instruments Inc. - particle camera	Nov. 25	94	Sertronium fluoride, new laser material	Dec. 9	64
Repesa - nitrogen fertilizer plant under construction in Cartagena	Sept. 30	38	Rubba, Inc. - fade-resistant lacquers for decorating polyethylene and polypropylene	Nov. 25	86	Serrick Corp. - acquires 20% of American Dryer's stock and control of Baltimore Paint & Chemical	July 8	96
Republic Flow Meters Co. - flow rate computer	Dec. 23	18	Rubber & Asbestos Corp. - two-component epoxy industrial adhesive system	Sept. 23	60	Service Engineering - will build helium extraction plant for Kern-McGee	July 29	9
Republic Natural Gas Co. - five firms plan to acquire Republic	July 29	16	Rubbermaid, Inc. - vulcanizing process will be used to make aluminum coated stove and counter mats	Sept. 9	86	Seurobor - boric acid venture with American Potash & Chemical	Aug. 19	26
May sell part of its assets to Socomec Mobil	Nov. 18	182	Ruberoid Co. - wage increase at Mobile, Ala.	Sept. 16	64	Shawinigan Chemicals Ltd. - British American Oil acquisition - details	Nov. 11	86
Research and Control Instruments, Inc. - new firm will make spectrometers, spectrographs and related equipment	July 15	68	Rumianca, S.p.A. - forms new company, Chemica Sarda, with Pittsburgh Plate Glass International	Aug. 5	106	Explores East European markets	Aug. 26	18
Research Corp. - perfluorooxyl oxetane polymers patent application	Aug. 5	99	Chemica Sarda, with Pittsburgh Plate Glass International	Oct. 14	26	Hydrogen cyanide process is first application of fluidmic reactor	Oct. 28	25
Research-Cottrell, Inc. - research lab moved to main plant	Nov. 4	96	Russell Reinforced Plastic Corp. - plastic panels sold by Naugatuck Chemical	Aug. 5	152	Monochloroacetic acid plant in mothballs	Sept. 16	104
Research, Inc. - high-speed valve	Aug. 19	62	S and S Chemical Co. - acquired by Oxford Chemical	Aug. 26	24	Monochloroacetic acid plant in mothballs	July 22	91
Resisto Chemical Co. - acquires R.E. Tongue Bros.	Nov. 25	27	Saint-Gobain - cis-Polybutadiene plant to be built by an affiliate, Societe des Elastomeres de Synthese	Sept. 16	17	Monochloroacetic acid plant in mothballs	Aug. 12	22
Rexall Drug & Chemical - acquires White Metal Mfg. Co.	Oct. 14	33	St. Joseph Lead Co. - sells its interest in Brunswick Mining to East Coast Smelting	July 29	18	Phenol capacity	Aug. 12	54
Reynolds International - acquires Aluminum Extruders Ltd.	Dec. 16	25	St. Lawrence Columbian and Metals Corp., Ltd. bets on concentrating process, reserves, by-products markets in bid for U.S. columbium are markets	Oct. 14	101	Rogers, F.K., favors tax boosts for Canadian research	July 29	23
Reynolds Metals Co. - aims to boost '82 sales volume with help of a \$25-million private placement of notes	Dec. 16	22	Columbian metal concentrate production at Oka, Que.	Sept. 23	90	Switches to petroleum for part of its raw-material requirements	July 1	14
Aluminum fabrication mill at McCook, Ill. purchased from the Navy	Sept. 30	25	St. Regis Paper Co. - FTC confidential company information case - Supreme Court decision due soon	Oct. 14	52	Shawinigan Resins Corp. - expansions: polyvinyl resin capacity boost at Indian Orchard; new office building at Chicopee Falls	July 1	20
Aluminized coating keeps car seats cool while car is standing in the sun	Dec. 23	40	Supreme Court rules in favor of antitrust investigators	Dec. 23	18	Shawinigan Water and Power - thermal electric generating station to be built at Varennes, Que.	Aug. 12	22
Fluoride hassle at Troutdale, Ore.	Nov. 25	31	Grip-R-Rip, new easy opening bag	Aug. 5	156	Shell Chemical - Airco will supply oxygen to Shell's polypropylene plant at Woodbury, N.J. plant	Aug. 26	23
Japanese aluminum venture proposed	Aug. 26	23	High-density bleaching of groundwood pulp with hydrogen peroxide - new process	Sept. 23	81	Dominquez Fertilizers, joint subsidiary of Shell, Stauffer and Dixon	Nov. 11	95
Polyvinyl chloride film expansion at Grottoes, Va.	Aug. 5	51	"Weatherlane", four-page newsletter, distributed to customers	Sept. 16	70	Epoxy resin, Eponal 55, needs no curing agent	Nov. 4	102
Tilo Roofing merger approved	Aug. 5	51	Salvadoran Institute for Industrial Development (INSAFOP) - chlorine-caustic soda venture	Sept. 9	41	Epoxy resin prices	Dec. 23	45
Vulcanizing aluminum sheet or foil onto rubber - new process developed	Sept. 16	64	Salvo Chemical - Marathon vanillin process	Sept. 16	104	Expansion styrene plant at Torrance, Calif.	Oct. 21	103
Reynolds Mining - Rice, Walter, predicts aluminum boom and possible shortage	Sept. 23	89	Salzgitter Industriebau - polyethylene plant to be built for Manzoor Chemical of Pakistan	Oct. 21	32	Glycerin production	Aug. 5	152
Rheem Manufacturing Co. - Container Div. opens research and technical service center	Oct. 21	95	Samincorp of New York - columbium metal concentrate purchasing agreement with St. Lawrence Columbian	Sept. 23	90	Hydrogen peroxide bulk storage facilities to be built at Charlotte, N.C.	Dec. 2	68
Rhodia Inc. - catalytic oxidation process kills odors by chemical reaction	Sept. 9	125	Samrak Chemical Corp. - new firm formed by taking over the Chemical Dept. of Frank Samuel & Co., a division of Howe Sound Co.	Oct. 7	34	Polysoprene synthetic rubber price cut	Aug. 5	152
Rhodia - Rhone-Poulenc merger	July 22	18	San Francisco Chemical Co. - wage agreement	Dec. 20	63	Synthetic natural rubber licensee from Goodrich-Gulf	Oct. 28	68
Will take over synthetic textile activities of Organic	July 8	18	San Jacinto Petroleum - polish prospecting rights in southeast Utah	Aug. 5	38	Vapona insecticide cleared by USDA	Sept. 23	101
Rhone-Poulenc - Celfex and Rhone-Poulenc will merge manmade textile and plastics operations	July 8	17	Sandoz Inc. - reactive dyes added	July 15	91	Wage agreement at Deer Park, Tex.	Aug. 12	57
Will control almost all French man-made fiber production	July 22	18	Sanyo Pulp Co. - forms 50-50 venture with Scott Paper	Sept. 30	23	Shell Oil Co. - Bishop Oil will sell Canadian subsidiary to Shell	Sept. 2	29
Rice, James M., Associates - planning consultants for industrial park at Wayne Township, N.J.	Oct. 7	34	Sanyo-Scott Co., Ltd. - 50-50 venture of Scott Paper and Sanyo Pulp	Sept. 30	23	Borrows \$200 million for expansion	July 29	17
Richardson, Bellows and Henry - overseas sales force	Sept. 9	73	Saran Lined Pipe Co. - will market Dow's thermoplastic packing for gas-liquid contact systems	Oct. 14	98	Delaware refinery blocked by local residents integrated management information system	Sept. 30	48
Richardson-Merrell, Inc. - research lab for infectious diseases to be built in Swiftwater, Pa.	Nov. 11	111	Sasol - Kolchem, joint venture of Sasol and National Chemical Products, to produce acetone derivatives	Sept. 16	30	Natural gas processing plants being built at Sealy and Bryan's Mill, Tex.	July 8	25
Richardson Co. - chemicals division formed	Dec. 9	85	Sawyer Petroleum Co. - Conoco will explore for polish on Sawyer's land in Grand County, Utah	Aug. 12	23	Sealy and Bryan's Mill, Tex. - cis-Polybutadiene plant to be built by an affiliate, Societe des Elastomeres de Synthese	Sept. 16	17
Richardson, Sid, Carbon Co. - carbon black plant onstream at Big Spring, Tex.	Oct. 7	106	Schenectady Vamish Co. - phenol plant planned, will use direct oxidation of benzene process	July 1	44	Wage agreement at Deer Park, Tex. will build refinery at Trafalgar, Ont.	July 22	29
Richfield Oil Corp. - Project Oil Sand in the Athabasca area of Alberta	Sept. 16	26	Scherer Corp. - antihypertensive compounds without diuretic effect	July 15	76	Shelley Urethane Industries - acquires Midwest Foam Products	Oct. 21	66
Oxylene producer bids for Japanese business	Oct. 28	81	Pharmaceuticals plant slated for Montreal	Oct. 7	34	Negotiates to acquire an unidentified Eastern urethane manufacturer	Sept. 2	63
Riedberg Theodore, Associates - farm consumer panel available to industry	Nov. 4	136				Sherritt Gordon Mines - building urea plant on a do-it-yourself basis	July 22	29
Rigesa S.A. Celulose, Papel e Embalagens - will double paper output by '63	July 15	25				Sherritt Gordon Nickel Refinery - hydrogen recovery of nickel and cobalt at Edmonton, Alta.	Oct. 21	64
Rio Algom Mines Ltd. - reciprocal business agreement with Britain's Rio Tinto Co. Ltd.	Oct. 14	33				Sherritt Gordon Nickel Refinery - hydrogen recovery of nickel and cobalt at Edmonton, Alta.	Sept. 9	73
Rio Tinto Co. Ltd. - reciprocal business agreement with Canada's Rio Algom Mines	Oct. 14	33				Shin Nippon Chisso Hiyo K.K. - polypropylene textile fiber venture with Avison	Oct. 28	18
Rio Tinto Mining Co. of Canada - Rio Algom offers to buy out Rio Tinto Mining	Oct. 14	33				Shorko - polypropylene film agreement with Metal Box Co.	Sept. 30	93
Rison Manufacturing Co. - valves and over-caps may trigger new push in aerosol antiperspirants	Sept. 2	49				Shorko - polypropylene film agreement with Metal Box Co.	Aug. 12	23
Riverway Development Corp. - industrial park						Showa Denko - polypropylene licensing deal with Tennessee Eastman	Oct. 21	32
						Shulton Inc. - acquires Aerosol Corp. of		

America	Oct. 28	26	of solid rocket propellants — research work	Aug. 26	56	State Trading Corp. (India) — fertilizer-for-jute	Sept. 9-34, Nov. 11-22	
Sicodison, S.p.A. — Monsanto's Irving Smith transferred to Italian affiliate	Nov. 11	25	Subzero working of stainless steel	Sept. 2	59	Stauffer Chemical Co. — Anderson Chemical Div. is producing pilot quantities of vanadium chlorides	Sept. 16	64
Sifto Salt Ltd. — rock salt mine shaft sinking at Goderich, Ont.	Sept. 30	25	Testing lab for plastic building materials	July 15	22	Dominguez Fertilizers, joint subsidiary of Shell, Stauffer and Dixon	Nov. 11	95
Silgard Co. — silicone mouthpiece	July 15	90	SPA Laboratories — files incorporation papers in Dover, Del.	Nov. 25	84	Keating, D.J., member of board of directors of National Agricultural Chemicals Assn.	July 15	46
Simoniz Co. — acid-soluble floor polishes	Aug. 19	34	Space-General Corp. — new subsidiary of Aerojet-General will design missile and space systems	July 22	45	Nyotex Division incorporated into Industrial Chemicals Division	July 29	18
Permacylic and Lock and Key, to debut soon	Dec. 9	85	Space Technology Laboratories, Inc. — first building of Space Technology Center opened	Dec. 9	63	Pre-emergence herbicide (Tillam) plant completed at Richmond, Calif.	Nov. 18	186
Floor wax called Master Wax	Sept. 90	25	Spaulding Fibre Co. — laminated plastics expansion at Tonawanda, N.Y.	Oct. 7	34	Richmond (Calif.) Research Center dedicated Soda ash project at Green River, Wyo. — developing underground work facilities	Aug. 19	27
Simpson & Co. Ltd. — Indian resins venture formed with Reichhold	Sept. 30	79	Specific, Inc. — acquired by Philips Electronics & Pharmaceutical Industries Corp.	Dec. 2	21	Titanium cooler development	Dec. 9	114
Simpson Timber Co. — fire-resistant woodfiber for acoustical tile markets	Oct. 14	149	Spencer Engineering Co. — steam distribution system streamlines costs	Aug. 26	75	Victor Chemical Div. — fluid coke briquettes tested in phosphorus furnaces at Silver Bow, Mont.	Aug. 12	46
Research center dedicated at Overlake Industrial Park	July 29	56	Temperature regulator	Oct. 7	101	West Coast chlorine plant output will be captive	July 22	17
Sinclair-Koppers — styrene plant to be in operation late this summer	Nov. 4	140	Spencer Chemical — acquires Perkins Glue	Aug. 19	89	Steam-Roger Mfg. Co. — ammonia plant to be built for Pure Oil	Oct. 21	26
Styrene unit at Houston hits capacity operation	July 15	18	Ammonium nitrate blasting agent produced at new Carlsbad, N.M. plant	Aug. 12	21	Steel Co. of Canada — five yr. option to supply natural gas for production of pig iron from blast furnaces	Dec. 16	96
Sinclair Oil Co. — ethylene venture considered	Dec. 9	102	Diversifies toward the consumer for profits	Aug. 26	18	Steelman Gas Ltd. — hydrocarbon extraction plant to be built near Edmonton, Alta.	Sept. 16	30
o-xylene export prices	Oct. 28	81	Earnings up 2.5%	Nov. 4-37, Nov. 11-21		Seeks approval of LPG extraction plans	July 1	20
o-xylene exports to Japan	Oct. 14	143	France slaps antidumping tax on polyethylene imports	July 8	83	Stein, Hall & Co. — forms company with Organo Trust to handle sales and research for Pakistan Gum Industries	Oct. 21	26
Sinclair Research Inc. — project indexes determine profitability of research ventures	Oct. 21	66	High-analysis fertilizer plant to be built at Jayhawk Works	July 22	17	Hot-melt applicators	Dec. 16	31
Thermal recovery process forces crude oil from sands	Sept. 9	34	Integrates vertically, acquires two plastic film firms: Crystal Tube and Flexcraft	Sept. 16	74	Stepan Chemical Co. — phthalic anhydride plant proposed for Puerto Rico, naphthalene would be acquired from Commonwealth Oil	Oct. 14-25, Nov. 4-38	
Sindri Fertilizer Factory — damages collected on Montecatini built plant which fell short of designed rated capacities	Oct. 28	97	Jayhawk works — wage agreement	Dec. 16	22	Puerto Rican phthalic output will be sold	Nov. 18	10
Singer Glove Mfg. Co. — portable screens for welding safety	July 29	18	Negotiating loan to invest in new projects	Aug. 12	22	Surfactants plant at Commerce, Calif.	Nov. 4	47
Sittenfeld, M. & Associates — establishes new firm, Synchem Corp., with Hollingshead	Aug. 26	18	Pittsburg, Kan., construction of specialty organic chemicals plant	Dec. 16	30	Stapan Carbide — subsidiary of Stepan Chemical will operate phthalic plant	Nov. 18	10
Skelly Oil — Hawkeye Chemical, new joint venture of Swift and Skelly Oil, to produce nitrogen products at Clinton, Ia.	Sept. 16	30	Polypropylene resin marketing agreement with Enjay	Oct. 28	17	Sterling Drug, Inc. — Hilton-Davis Chemical Div. — nonionic color dispersions	Dec. 9	85
Petrolomics, a partnership of Tidewater, Getty, Skelly and Ken-McGee, builds uranium mill in Wyoming	Aug. 26	18	Seeks ethylene supplier for proposed Chicago polyethylene latex plant	July 15	17	Zimmerman process bids strong for sewage-treatment business	Oct. 28	73
Sloan, Alfred P., Foundation — complains about encroaching government supports for research	Sept. 23	55	Spencer Kellogg and Sons — acquired by Textron	Aug. 12	22	Ster-O-Matic, Inc. — joint venture of Indianapolis Water and Philadelphia Suburban Water will produce water treatment products	July 8	25
Slough-DeFlon — concrete cooling tower design	Nov. 25	92	Paint primer	Dec. 16	32	Stevens, J.P. & Co. — Enjay and Stevens move step closer to polypropylene fiber production by acquiring National Plastic Products	Sept. 2	22
Smith, A.O., Corp. — DowSmith will make and market reinforced plastic pipe and electrical equipment	Dec. 30	7	Stockholders will vote on proposed Textron merger	July 1	20	Div. — sulfone treatment for wash-wear finishing	Oct. 28	94
Export-import Bank turns down request for guarantee on sale of gasoline pumps by Venezuelan subsidiary	Aug. 5	62	Sperry, D.R., & Co. — filter press plates coated with Penton	July 8	48	Stones, F.J., Corp. — ball valves	Aug. 19-27, Sept. 9-41	
Smith, Howard, Paper Mills — Marathon vanillin process	Sept. 16	104	Sperry Rand — Remington Rand Univac Div. — talking computer called Univac	Oct. 21	71	Street Sulphur — new firm incorporated in Delaware	Nov. 25	58
Smith Kline & French Laboratories — staph fighting drug	Nov. 11	106	Spiegel, Inc. — mail-order seller adds prescription drugs to its catalog	July 1	99	Strojimport — invites bids for construction of a gas plant	Oct. 21	66
Smell, Foster O., Inc. — buys out American Scientific Supply	Aug. 26	24	Prescription filling service	Oct. 21	40	Strong — top-entry ball valve	July 8	55
Developed aircraft rain repellent	July 22	84	Spiegel Prescription Drug Foundation — mail-order drug plan	July 1	59	Structure-Activity Research, Inc. — formed in cooperation with the University of Mississippi for research in chemical medicinal	Nov. 25	58
Polymer Market Abstracts — new marketing service	July 22	64	Sprague Electric Co. — Aries, R.S., consultant, charged with stealing trade secrets	Nov. 25	23	Struthers Wells Corp. — 3-for-1 stock split approved by board	Sept. 2	29
Snia Viscosa — Milan — core of Italy's CPI — Behind the news	July 1	5	Spraying Systems Co. — degreasing gun called GunJet	Oct. 7	101	Studebaker-Packard — Gering Plastics Division sold to Monsanto	Dec. 23	14
Soap Specialties Inc. — building new plant in Philadelphia	Oct. 21	52	Staley, A.E. Mfg. Co. — amylose separation process	July 8	22	Stull Chemical Co. — portable sprayer applies invert herbicides	Sept. 9	82
Societa Industriale Libica — will build detergents plant near Tripoli	July 29	18	New face in the film field	Oct. 21	51	Sturge — Citric acid marketing problems	Oct. 21	98
Societa Italiana Resina — phenol-acetone venture with Gulf Oil	Sept. 9	41	Standard Beryllium Corp. — Brazilian beryllium plant planned, will use Von Dornick	Dec. 2	7	Suburban Propane Gas Corp. — acquires Frio-Tex Oil and Gas Co.	July 29	16
Societa Italiana Resina Gulf — joint venture of Gulf Oil and SIR, will build phenol-acetone plant at Porto Torres, Sardinia	Sept. 9	41	Standard Chemical — distributes copper sulfate for Border	Aug. 19	26	Sulphur Export Co. (Sulexco) — '61 sales will be up about 18%	Sept. 2	25
Societa Lavorazioni Organiche Inorganiche — TEL venture with Indian Commercial Corp.	Nov. 4	47	Standard Naphthalene Products Co. — naphthalene products to be produced at Toledo, O. site	Sept. 2	27	Sumitomo Chemical — acrylonitrile prices cut, capacity upped	Nov. 25	121
Societe des Elastomeres de Synthese — cis-Polybutadiene plant is being blueprinted	Sept. 16	17	Standard Oil Co. of California — may build refinery and chemical plant in the South	Nov. 25	27	Sun Chemical Corp. — opens new corporate laboratory	Dec. 9	63
Societe d'Etude du Pont sur la Manche — English Channel bridge proposed	Sept. 23	102	Standard Oil of Kentucky — Mississippi refinery Aug. 26-17, Sept. 9-33, Sept. 16-76	Oct. 28	26	Sun Oil Co. — fuel cell exchange of information agreement with Electric Storage Battery	Nov. 4	92
Societe des Mines et Fonderies de la Vieille-Montagne — blends lead slag with zinc sludge and wins by-product bonanza	Sept. 30	66	Standard Oil of Kentucky — Mississippi refinery Aug. 26-17, Sept. 9-33, Sept. 16-76	Dec. 2	21	Houdry stock may be sold to Air Products	Oct. 14	25
Societe Industrielle de la Cellulose (SIDAC) — merger with UCB and ABELTA proposed	Nov. 4	160	Standard Oil (New Jersey) — contracts awarded for processing units	Oct. 21	26	Houdry stock sale confirmed	Oct. 21	17
Societe Polyplast — ozone activation brings carbon black bonus to polyethylene pipe	Dec. 23	36	Mississippi refinery — planning and design work under way	Dec. 9	30	Petronaphthalene plant being built at Toledo, O., another is planned for Marcus Hook, Pa.	Sept. 2	21
Process for cross-linking polyolefins and carbon black	Dec. 9	71	Stockholders will vote on proposed merger with Standard Oil of California	Nov. 18	9	Petronaphthalene to be supplied to Sherwin-Williams phthalic unit	Oct. 28	18
Socony Mobil Oil Co. — may acquire part of the assets of Republic Natural Gas	July 29	16	Standard Oil of California — Central American fertilizer project	Aug. 19	27	Proylene expansion at Marcus Hook, Pa.	Oct. 7	25
Mobil Sekiyo, a new subsidiary, will take over part of Stanvac's Japanese holdings	Oct. 28	26	Esso Standard Sekiyo, a new subsidiary, will take over part of Stanvac's Japanese holdings	Oct. 14	30	SunOlin Chemical Co. — borrows \$36 million for expansion	July 29	17
Receives favorable tax rulings on plan to acquire Republic Natural Gas Co. with four other concerns	Dec. 23	18	Fuel oil injection system to be used by Egyptian Iron and Steel	Oct. 28	26	Delaware River Valley pipeline to be leased to Airco	Aug. 26	23
Solvay & Cie. — research facilities expansion completed	Oct. 28	40	Jersey's plant strides in chemicals	Sept. 16	109	Sunray Oil Co. — crude distillation unit at Tulsa refinery incorporates computer control system	Sept. 23	84
Vinylidene chloride copolymer plant under construction	Nov. 4	47	Radiation fallout threat spurs emergency planning	July 15	109	Suntide Refining — ethylbenzene plant completed at Corpus Christi, Tex.	July 29	55
Sonotone Corp. — fuel cell and depolarizer research program with Electro-Optical Systems	Nov. 4	92	Spanish petrochemical plans dropped	Oct. 14	38	Styrene expansion at Corpus Christi, Tex.	Nov. 11	17
Southern Oxygen — Air Products merger approved	Aug. 5	37	Standard Oil Co. (Ohio) — De Gray, R.J., reports on growth of bacteria in hydrocarbons	Oct. 28	18	Supracote Development Laboratory — rosin flux remover	Nov. 4	56
Southern Nitrogen Co. — ammonia, nitric acid and ammonium nitrate expansions at Savannah, Ga.	July 8	83	Research Dept. — plasma jets in production of solid materials with unusual surface characteristics	Sept. 2	54	Susquehanna Western Co. — Riverport, Wyo. sulfuric acid unit's sour gas needs may be supplied by Pan-American Petroleum	Oct. 7	34
Borrows \$5 million for expansion	July 29	17	Strike settled at Toledo, O.	Dec. 9	72	Rotary kiln and cooler will produce pebbles from shale rock via expansion process	Nov. 11	75
Southern Research Institute — adds units for wet, dry- and melt-spinning of synthetic fibers for mono- or multi-filament yarns	Oct. 14	149	Standard Packaging Corp. — metallized paper and paperboard plant planned	Nov. 25	30	Vanadium pentoxide joint venture onstream at Garfield, Utah	Sept. 16	106
Southwest Agrochemical Corp. — merging with Arizona Fertilizer and Chemical to form Arizona Agrochemical	Nov. 25	27	Standard Ultramarine and Color Co. — contract slated	Oct. 14	33	Investment plans	Dec. 30	40
Southwest Nitro-Chemical — Southwest Agrochemical, parent firm, will merge with Arizona Fertilizer and Chemical	Nov. 25	27	Standard Vacuum — Indian government's new oil product pricing rules controversy	Dec. 16	130	Swift & Co. — Hawkeye Chemical, new joint venture of Swift and Skelly Oil, to produce nitrogen products at Clinton, Ia.	Aug. 26	18
Southwest Potash Corp. — potassium nitrate plant at Vicksburg, Miss.	Oct. 7	33	Japanese holdings will be split between two new firms, Esso Standard Sekiyo and Mobil Sekiyo	Dec. 9	36	Sulfuric acid capacity tripled at Agricola, Fla. plant	Sept. 2	29
Southwest Research Institute — encapsulation			Stanford Research — subzero working of stainless steel	Oct. 28	26	Swisspharma — Swisspharma's parents — letter to Sylvania Electric Products, Inc. — Chemical and Metallurgical Div. — ammonium	Dec. 9	7
				Sept. 2	59			

metastable available in commercial quantities	Aug. 5	96	squeeze tube licensing agreement with Peerless Tube	Aug. 19	100	Union Carbide - antifreeze fair trading dropped	Sept. 16	70
Chemical and Metallurgical Div. - ammonium molybdates	Dec. 9	64	Thermo-Chem Corp. - aluminum coating helps fiber products resist heat	Aug. 19	57	Anti-icing jet fuel additive license obtained from Phillips	Nov. 18	175
Chemical & Metallurgical Div. - tungsten disulfide for use as lubricant and catalyst	Nov. 4	56	Thiokol Chemical - acquires GSA's Pocatello plant for rocket production and development work	Nov. 18	16	Beard, C., emphasizes need for keeping public carrier system strong	July 15	40
Lighting Products Div. - prototype production models of new incandescent lamp	Aug. 19	78	Chemical acquisitions sought	Sept. 23	18	Chemicals Co. - acrylate monomer for floor polish formulations	Sept. 16	59
Synchem Corp. - established by Hollingshead and Sittenfield to develop chemical biocides	July 29	18	Diversification program places emphasis on chemical acquisitions	Oct. 21	24	Chemicals Co. - aerosol propellants line now includes hydrocarbon blends	Oct. 7	41
Syntex Laboratories, Inc. - Syntex Institute for Molecular Biology - nucleic acids research study	Aug. 12	31	Hunetries, new unit for research and development in the life sciences	Nov. 4	92	Chemicals Co. - glycerin routes based on isomerization of propylene oxide into allyl alcohol	Oct. 7	83
Symvar Corp. - alkyls and tall-oil esters added to resins line	Oct. 21	52	Industry's top defense contractor	Dec. 16	46	Chemicals Co. - R&D department set up at South Charleston, W. Va. center	Sept. 2	40
			Longhorn Division - wage increase	Dec. 2	62	Chemicals Co. - Sevin cleared for use in sprays on citrus	Dec. 9	33
			May sublicense Russian patents	July 22	27	Chemicals Co. - urethane foam patents flare-up	Oct. 21	21
			Polysulfide rubber in spongy, resilient grade can be colored	July 22	76	Chemicals Co. - vinyl plasticizer called Flexol Plasticizer RK-1	Sept. 2	51
			Reaction Motors - Bullpup missile in production	Nov. 4	46	Chemicals Co. - wage pact at Texas City, Tex.	July 1	48
			Reaction Motors Div. - Hypox Combustor generator produces stand-by steam	Oct. 21-72	Nov. 4-168	Dynel prices	Nov. 11	96
			Reaction Motors Div. will produce LR 62 packaged liquid rocket engines for the Navy's Bullpup missile	Sept. 16	30	Employee retraining program	Sept. 30	44
			Regional office established at Cocoa Beach, Fla.	Aug. 19	27	FTC decision on Visking merger near-at-hand	Oct. 28	17
			Solid-fuel rocket contender seeks new plant sites	Aug. 26	21	FTC orders Carbide to dispose of Visking operation	Nov. 4-37	41
TAB Engineers, Inc. - drafting technique uses blackboards instead of drafting boards	Oct. 21	64	Thompson, H.I., Fiber Glass Co. - may acquire 3W's Zenith Plastics Co.	Sept. 30	18	FTC Visking decision - appeal	Dec. 23-13	Dec. 30-8
TCF of Canada - plastic films to supplement cellophane output	Oct. 21	40	Thompson-Hayward Chemical Co. - laboratory and plant office building under construction	Nov. 4	96	Hanlon Chemical charges Carbide with breach of confidential relations	July 15	23
Polyolefin packaging film maker	Sept. 16	94	Transfer to Philips Electronics from Consolidated Electronics	Dec. 2	22	Incandescent lamp developed with Polaroid	Aug. 19	77
Taylor Fibre Co. - Advanced Materials Div. - nylon-base plastic called Taylon PN	July 29	29	Thompson Ramo Wooldridge - chemical acquisitions sought; deal with Pittsburgh Coke rumored	July 29	9	Insecticide sales	July 22	96
Physical analytical chemistry group established	Nov. 25	58	Crude distillation unit uses RW-300 computer console	Sept. 23	84	Joins Du Pont in marketing polyethylene film in Canada	July 29	56
Technical Tape Corp. - Minnesota Mining and Mfg. wins vinyl tape patent case	Dec. 23	17	Industrial control computer, TRW-530	Nov. 4	101	May purchase naphthalene from Cities Service's new plant	Sept. 9-33	Oct. 14-25
Technicolor, Inc. - develops into strong factor in home photo field	Aug. 19	35	Tidewater Oil Co. - acquires part interest in Honolulu Oil	July 8	25	Metals Co. - wage hike	Aug. 5	106
Technifoam Corp. - urethane foam molding process debuts	July 8	45	Tidewater Oil gets go-ahead on sale of assets	Oct. 28	26	Nuclear Co. - nuclear research reactor at Sterling Forest, N.Y.	Oct. 14	149
Technique Associates - portable pyrometer	Nov. 25	96	Natural gas processing plant to be built at Normanna, Bee County, Tex.	Nov. 18	10	Nuclear Co. - pay hike	Nov. 4	74
Teepak, Inc. - forms council with Dobeckmum to promote saran packages for prepacked fresh ground beef	Dec. 9	40	Oxo-alcohol plant contract awarded to Badger Oxo-alcohols venture with Air Products and Chemicals	Sept. 16	26	Olefins Div. - acetylene plant at Montague, Mich. sold to Du Pont	Dec. 23	14
Television-Electronics Fund - buys 115,000 shares in Atlantic Research	Aug. 26	24	Petrochemicals, a partnership of Tidewater, Getty, Skelly and Ken-McGee, builds uranium mill in Wyoming	Sept. 16	30	Olefins Div. will supply acetylene to National Service's new plant	Oct. 21	17
Tennant Development Corp. - organic intermediates	July 15	72	Will build oxo chemicals plant despite recent price cuts	July 29	56	Overseas sales force	Sept. 9	72
Tenneco Chemical - Hydrogen Research-Tenneco oxygen and nitrogen deal	July 1	14	Tilo Roofing Co. - Reynolds Metals will acquire Tilo	Aug. 5	51	Plastics - epoxy resins for filament winding systems	Sept. 16	59
Texas plant site may be sold to National Starch for vinyl acetate plant	Aug. 5	37	Tinto Holdings Limited - reciprocal business agreement with Rio Algom Mines	Oct. 14	33	Plastics Co. - Humes, William B., new president replaces R.K. Turner	July 22	29
Will have office space at TGT's new headquarters building in Houston	July 15	26	Titledad Corp. - acquired by Dor-Oilver	Aug. 5	51	Plastics - PE compound designed for extruded industrial packaging film	Dec. 23	34
Will supply vinyl monomer to Cary Chemicals' proposed polymer plant	Sept. 2	29	Toa Nenryo - Stanvac's holdings to be split between Esso Standard Sekiyu and Mobil Sekiyu	Oct. 28	26	Polypropylene film production planned; awaits FTC decision on Visking PE film business	Oct. 28	17
Tenneco Oil - benzene plant onstream at Chalmette, La.	July 29	25	Tokuyama Soda - polypropylene plant going onstream	Oct. 7	106	Polystyrene prices	Sept. 30	94
Natural gas joint venture at Normanna, Bee County, Tex.	Nov. 18	10	Tokyo Institute of Technology - Japan grows for export role	Dec. 2	26	Ponce, P.R. ethylene plant buys raw materials from CORCO	July 15	24
Tennessee Corp. - U.S. Phosphoric Div. - sulfuric acid unit onstream at Tampa, Fla.	Nov. 25	105	Tongue, R.E., Bros. Co. - acquired by Resisto Chemical	Nov. 25	27	Preairization system tried and discarded	Oct. 7	125
Tennessee Eastman Co. - Organic Chemicals and Acid Div. will build development laboratory	Nov. 25	58	Topaz Beryllium Venture Inc. - beryllium claims to be sold to Anaconda	Oct. 28	26	Rein's - no its top-level financial management	Dec. 9	27
Plans for South Carolina complex indefinite. Polypropylene licensing deal with Showa Denko	Oct. 21	32	Toyama Chemical - Panfuran, nitrofurans compounds, licensing deal with Cyanamid	Oct. 21	32	Research Institute consolidated in new lab building in Eastview, N.Y.	July 8-80	Aug. 19-46
Tennessee Gas Transmission Co. - builds new headquarters building in Houston	July 15	26	Toyoko Koatsu - acrylonitrile news: prices cut, Mitsui Chemical joint venture dropped	Nov. 25	121	Sales and earnings	July 15	17
Petrochemicals-and-plastics combine with Cary Chemicals	Dec. 23	16	Toy Metal Chemistry - cadmium and titanium alloy plating processes licensed to Boeing	Oct. 21	64	Sevin carbamate insecticide shipped to Egypt	Oct. 21	71
Tennessee Products & Chemical Corp. - Roane Electrical Furnace Div. accused of discriminating against union employees	Dec. 9	34	Toy Rayon - receives inquiries on possible sale of chemical fibers to USSR	Dec. 2	30	Silicones Div. - fusible silicone rubber	Dec. 9	85
Tennessee River Pulp and Paper Co. - pulp mill opened at Counce, Tenn.	Sept. 9	39	Uses gamma radiation process for making acetate resins	July 29	45	Silicones Div. - silicone rubber called KW-1920	Nov. 4	56
Texaco - Long, Augustus C., predicts 5% year rise in petroleum demand through '65	Nov. 25	121	Toy Spinning Co. - graphite fiber joint venture with Goodyear	Oct. 21	32	Texas plant cleans up after Hurricane Carla	Sept. 23	21
Petroleum refinery in the U.K. will be a joint venture with Caltech	Nov. 11	26	Trans-Jeff Chemicals - sulfur recovery plant expansion at Tilden, Tex.	Nov. 25	27	Vinyl supplied to Colofurad for vinyl-coated chain-link fencing	Aug. 19	39
Petronaphthalene plant to be built at Port Arthur, Tex.	Sept. 2	21	Travis Fabrics, Inc. - Industrial Div. - colored work clothes	Nov. 4	172	Union Carbide Ltd. - antidumping legislation requested for U.S. polyethylene imports	Nov. 18	10
Texaco Canada Ltd. - benzene, solvent, toluene unit onstream	Aug. 5	126	Trubek Labs - intermediates to be supplied to UOP's proposed antiozonants plant	Oct. 7	34	Charges Italian firms with polyethylene "dumping"	Dec. 30	11
Refinery to be built at Halifax, Nova Scotia	Nov. 18	18	Will build additional manufacturing facilities	July 15	24	Union Carbide of Canada - Visking Div. - polypropylene film production plans	Oct. 21	40
Texas Alkyls - aluminum alkyls capacity quadrupled, prices cut	Nov. 18	186	Tuloma Gas Products Co. - ammonia purchased from American Oil	Nov. 11	26	Union Carbide SA - polyethylene film hike in Germany	Dec. 30	57
Texas Butadiene - cis-Polybutadiene plant to be built by an affiliate, Societe des Elastomeres de Synthese	Sept. 16	17	Twin City Testing Corp. - thickness gauge licensed from Boeing	Oct. 28	92	Union Chimique Belge (UCB) - merger with BELTA and SIDAC proposed	Nov. 4	160
Texas Eastern Transmission Corp. - coal-slurry combustion demonstration	Nov. 11-80	Nov. 18-179				Union des Fabriques Belges de Textiles Artificiels (FABELTA) - merger with UCB and SIDAC proposed	Nov. 4	160
Texas Eastman Co. - pipeline propane for polypropylene plant near Longview, Tex.	Sept. 23	17				Union Fertilizer Corp. - acquired by Alco	Oct. 28	23
Polypropylene capacity boost at Longview, Tex.	Oct. 28	26				Union Oil Co. - acquires American Liquid Gas	July 29	16
Texas Gulf Sulphur Co. - potash production to start at Moab, Utah by '63	Dec. 2	71				Clarification process licensed to Cosden?	Sept. 16	63
Profits averaged 23% for '60	Sept. 2	25				Gelsmar, L.A. site purchased	Nov. 4-44	Nov. 25-25
Texas Instruments - microminiature digital computer uses Solid-Circuit semiconductor networks, Series 51	Oct. 28	67				Hydrodealkylation process to be used at Cities Service naphthalene plant	Oct. 14	25
Semiconductor plant at Dallas, Tex. will purchase gases from Chemtron's new air-separation plant	July 29	18				Owns 45% interest in Global Marine	Aug. 5	51
Will develop an unattended marine seismic monitoring system for the Air Force	July 15	65				Exploration		
Texize Chemicals, Inc. - damage suit verdict. Plans to acquire Hood Chemical	Dec. 2	62				Union Rheinische Braunkohlen Kraftstoff AG. - ethylene and propylene plant planned for Wesseling	Oct. 21	26
Texton Inc. - expands further into chemicals and drugs	Aug. 12	22				Union Texas Natural Gas - Allied Chemical merger	Nov. 25-17	Dec. 30-12
Spencer Kellogg Div. sells soybean crushing plant at Bellevue, O. to Central Soya	Nov. 4	47				Merger stirs buy-or-produce debate on feedstocks	Dec. 2	24
Spencer Kellogg Div. sells soybean-crushing plant to Interconcrete Industries	Oct. 14	33				Petrochemical complex to be built at Geismar, La. with Allied	Nov. 18-90	Nov. 25-25
Spencer Kellogg Div. - staff cutback at Buffalo, N.Y.	Nov. 25	30				United Carbon Co. - carbon black plant being built at Mojave, Calif.	Aug. 19-90	Oct. 7-106
Stockholders will vote on proposed Spencer Kellogg merger	July 1	20				Carbon black process licensed to Richardson Carbon	Oct. 7	106
Thatcher Glass Manufacturing Co. - plastic						Indian carbon black plant planned	Dec. 23	14
						Tire recappers to use black masterbatch route for producing tire tread	Sept. 16	28
						United Fuel Gas Co. - labor agreement	Nov. 11	53
						United Gas of Canada - five-year option to supply natural gas for production of pig iron from blast furnaces	Dec. 16	96
						United International Research - titanium metal powder processes and equipment licensed to Consolidated Astronautics	Sept. 9	41
						United Merchants & Manufacturers - Valchem		

Chemical Div. - thicker polyethylene emulsion	Sept. 16	54	Longshoremen win election	Nov. 18	160	Calif.	Nov. 25	70
United Propane Gas Service - acquired by Algas Fuel Supply	Nov. 18	18	Vereignig Aluminum-Werke - aluminum output	Oct. 21	106	Industrial X-Ray Div. - Wes-Chet, new dye system for nondestructive detection of flaws in metals	Nov. 11	92
United Salt Co. - Records Security Unlimited will handle storage of corporate records at mine at Hockley, Tex.	Nov. 25	30	Roskydal-brand polyesters at Newark, N.J. plant	July 29	18	Internal oxidation process for forming oxide particles within alloys	Sept. 2	40
United Shoe Machinery Corp. - hot melt adhesive	July 15	91	Versapak Film & Packaging Machinery - shrinkable polypropylene film marketing rights acquired from Montecatini	Oct. 7	25	Lamp Div. develops ultrahigh-purity, single crystals of tungsten	Sept. 23	59
Tie-in of hot-melt machinery with its own adhesive, Thermogrip	Dec. 16	31	Vickers Krebs - chlorine-caustic plant to be built for GAF	Nov. 11	25	Solar-thermoelectric power for irrigation - feasibility studies	Aug. 26	56
U.S. Borax & Chemical Corp. - Firebrake, a chemical used in fighting forest fires	Nov. 18	186	Victaulic Co. of America - new system connects plain-end pipe and fittings with Plainlock Couplings	Nov. 4	172	Superconducting magnet research	Sept. 30-79, Nov. 25-51	37
Marketing agreements with Vitro and Lithium Corp. will give more profit per sales call	Sept. 30	103	Virginia-Carolina Chemical Corp. - files answer to stockholder lawsuit on phosphate deals	July 1	18	Westinghouse Electric International Co. - French-Belgian nuclear power plant contract	Oct. 21	68
Potash project (Canada) - R.E. Kendall named project manager	Sept. 30	23	Florida court brings action against V-C on pollution charges	Aug. 26	60	Weyenmauer Co. - three new product groups derived from Douglas fir bark	Dec. 2	53
Potash venture in Saskatchewan with Homestake Mining	Sept. 2	22	Harding, Charles T., elected president	Dec. 30	10	Whitaker Metals - Universal Minerals acquires two-thirds interest	July 29	18
Rare earth products marketing agreement with Vitro	Sept. 2	64	Invests abroad to widen economic horizons	July 15	23	White Metal Mfg. Co. - acquired by Rexall	Oct. 14	33
U.S. Forest Products Laboratory - solvent seasoning, new method of drying California Redwood	July 1	44	NLRB complaint at Polk County, Fla. plant. Nitrogen demands may cause V-C to produce its own or tie up with existing producer	Nov. 18	160	White Sewing Machine Corp. - acquires Fiberglass Ohio	Aug. 12	23
U.S. Gypsum Co. - acoustical tile plant at Greenville, Miss.	Dec. 9	30	Potter, J., president, and board backed by stockholders	Sept. 30	17	Apex Fibre Glass Products Div. - glass-fiber tubing	Nov. 25	96
Birmingham, Ala. workers sue ICW	July 8	28	Wilson, David K., new chairman of the board	Sept. 30	17	Whiting Cheese Co. - steam distribution system installed on milk pasteurizer	Aug. 26	76
U.S. Industries, Inc. - Snyder, John L., president, is GAF chief also	Oct. 14	32	Virginia Chemicals & Smelting Co. - hydroxylamine sulfate and sodium m-bisulfite expansion	Aug. 19	18	Will, Charles R., & Co. - acquired by Canada Dugan Pharmaceuticals	Aug. 5	51
U.S. Metered Container Corp. - premeasured detergent called Weigh	Oct. 21	54	Insecticide suit charges Lethalaine killed Cleveland tomato grower	July 22	104	Roger Williams Technical & Economic Services, Inc. - Paris meeting - European market research association proposed	Oct. 21	98
U.S. Peroxide Corp. - promoters added	Dec. 2	54	Visco Products Co. - will merge into Nalco as an operating division	Dec. 2	30	Wilson & Co., Inc. - stearic acid process	July 15	76
U.S. Rubber - elastomers advances reported	Sept. 16	63	Visking Corp. - FTC decision on Carbide merger near-at-hand	Oct. 28	17	Wilson Sporting Goods Co. - distributor of silicone mouthpieces	July 15	91
General Tire's rubber patent gets support of Swedish patent office	Aug. 19	26	FTC orders Carbide to dispose of Visking operation	Nov. 4-37, 41		Wintershall AG - oil refinery at Mannheim, West Germany - joint venture with Marathon International	Dec. 2	30
Naugahuck Chemical Div. broadens plastic panel marketing plans	Aug. 5	152	Union Carbide appeals FTC order to divest assets	Dec. 23-13, Dec. 30-8		Witco Chemical - carbon black marketing agreement with Continental Carbon	Aug. 19	90
Naugahuck Chemical - Flexzone tire antioxidant-antioxidant plant to be built at Geismar, La.	Aug. 26	24	Visking do Brasil S.A. - will step up regenerated cellulose production	July 15	25	Licenses Witco-Gouda Stearaten to manufacture metallic stearates	Aug. 19	27
Naugahuck Chemical Div. has appointed Dorsey Corp. as national distributor for Naugahuck masonry coating	Aug. 5	142	Vitro Chemical Co. - rare earths producer moves into glass market via borrowed sales force	Sept. 30	103	Phthalic anhydride plant under construction at Perth Amboy, N.J.	Aug. 12	46
Product information center opened in New York	Sept. 16	74	Rare earth products marketing agreement with U.S. Borax	Sept. 2	64	Witco-Gouda Stearaten N.V. - Gouda-Apollo subsidiary will manufacture metallic stearates	Aug. 19	27
U.S. Rubber Reclaiming Co. - wage agreement at Cheektowaga, N.Y. plant	Aug. 19	70	Vitro Corp. - may build carbon black plant with B.K. Jalan of India	July 1	20	Witfield Chemical - detergent alkylate plant at Watson, Calif.	Dec. 23	46
U.S. Sanitary Specialties Corp. - acid-soluble floor polish being developed	Aug. 19	36	VONA - provides servicing for Technifoam's urethane foam molding process	July 8	45	Woodville Lime and Chemical Co. - Gibsonburg Lime acquires building and industrial lime business and tradenames	Nov. 4	45
U.S. Smelting Refining & Mining - builds plant to coke low-grade Western coal at Midvale, Utah	Aug. 12	46	Von Kohon International Corp. - Du Pont brings "misappropriation of secret processes" suit	Dec. 9-17, Dec. 16-21		Wooler Coal Co. of France - patents Japanese process for making acetate resins by gamma radiation	July 29	45
U.S. Steel Corp. - Cooper, R. Conrad discusses the impact of imports and exports on American employment	Sept. 2	7	Nylon-6 tire yarn licensing deal with Nippon Rayon	Oct. 21	32	Woolworth - drugstore chain planned	Oct. 21	40
Cost-of-living raise	Oct. 28	54	Vietnam rayon project - feasibility study	Oct. 14	33	Worth Chemical Products - Dearborn Aqua-Serv of Texas, new water-treating chemicals division	Sept. 16	30
Kemmerer, Wyo. plant demonstrated coking of low-grade Western coal	Aug. 12	46	Vulcan Materials Co. - acquires Kolker Chemical	Nov. 25	26	Wrapture, Inc. - acquired by Spencer Chemical	Aug. 12	21
United States Stearns Co. - protective coating called Tycin	July 1	59	Takes steps to retire its preferred stock	July 1	20	Write-Right Mfg. - acquired by Union Bag & Camp Paper	Oct. 21	52
U.S. Sulphur Corp. - McClellan, Harry, ex-president, charged with embezzling company funds	Oct. 14	26	Wabash Magnetics, Inc. - first tenant for Purdue Industrial Research Park	Nov. 4	96	Wyandotte Chemicals - antifreeze supplied to Ford	Sept. 16	71
United Technical Industries - acid-extraction process will be used to recover beryllium. Profits in sight as beryllium branch begins operations	July 29	17	Wah Chang - columbium-zirconium alloy available	Sept. 30	79	Eyes refractory metals, plans further "geographical" plant balancing	Sept. 30	23
United Technology Corp. - solid-fuel engine tests	Aug. 26	21	Walker Manufacturing - develops smog-controlling catalyst sufferer with Cyanamid	July 22	75	Glycerin process uses nonlithium catalyst	Oct. 7	83
United Wire & Supply - antitrusters rap alloy makers	Dec. 16	22	Wallace & Tieman Inc. - Harchen Div. - plasticizer called Harflex 340	Nov. 4	52	Propylene oxide plant to be built by Fluor-Singmaster & Greyer	Nov. 25	18
Universal Chemicals Corp. - surfactant series called Fatchemco and Uniterge	Nov. 4	52	Lucidol Div. dedicates research center at Buffalo, N.Y.	Nov. 4	92	Quadrol used in processing lignin rubber	Sept. 16	106
Universal Minerals & Metals - acquires two-thirds interest in Whitaker Metals	July 29	18	Strassenburg Laboratories - Desemex and Caldesene to be produced in new facility	Nov. 25	58	Wyle Laboratories - fluid sampling device	Nov. 4	175
Universal Oil Products - alkylated amines and catalysts expansion plans	Aug. 5	51	Water analyzers	Sept. 30	38	Xerox Corp. - employee retraining program	Sept. 30	43
Antiozonants plant to be built at McCook, Ill. Forms joint venture with Japan Gas to produce and regenerate UOP-type reformer catalysts	Oct. 7	34	Wamer-Lambert Pharmaceuticals Co. - British Drug Houses turns down Wamer-Lambert bid to buy an interest in BDH	Aug. 12	23	Yacimientos Petroliferos Fiscales (YPFS) - invites bids on 50 tons of potassium hydroxide	July 15	104
Hydral process to be used by Commonwealth Oil	Oct. 14	33	Warren, S.D., Co. - Frost, Frederick, discusses Maine's paper industry	Dec. 9	33	Young Machinery Co. Inc. - filter-collector	Oct. 7	103
Isomax, new hydrogen cracking process developed with Cal Research	Nov. 25	75	Warren Molded Plastics - acquired by Carlon Products	Sept. 9	39	Youngstown Sheet and Tube Co. - Campbell Works will purchase oxygen from Linde's new plant	July 8	25
Launches \$6.5-million expansion program	July 15	24	Warsaw Polytechnicum - ethylene catalysis process developed	Dec. 23	14	Yoloy steel piping	Oct. 21	110
Working with Clark on survey for proposed petrochemical venture	July 15	18	Washburn, T.F., Co. - acrylic-vinyl copolymer	July 29	42	Yuka-Badische KK - joint company formed to produce polystyrene in Japan	Dec. 30	40
Universal Oxidation Process - Britt, J.O., objects to 12,000 mile life span for auto exhaust device	Sept. 2	25	Watkins Products - door-to-door seller launches new growth program	Dec. 9	85	ZAFN - Egypt's organic chemicals venture	Oct. 7	26
Will establish lab facilities to test Purzaustr Upjohn Co. - antibiotics maker is named co-conspirator in antitrust suit	July 15	24	Watson Flour Co. - Aquafin, joint venture of M-P and Watson, will market Methocel and water-soluble starch films	Aug. 5	131	Zellwolle Lenzing - production curtailed	July 22	92
Antibiotics suit - FTC rules for dismissal of '58 complaint	Aug. 26-17, Sept. 16-28		Weather Trends, Inc. - "Weatherlane" newsletter printed for St. Regis Paper	Oct. 21	51	Rayon staple fiber producer switches to synthetics	Sept. 2	28
Cancer-fighting antibiotic called pactamycin	Nov. 18	9	Weber Marking Systems - marking system called Ali Mark	Sept. 16	70	Zenith Radio Corp. - lawsuit filed against Helene Curtis for explosion damages	Nov. 18	17
Drug maker cancels all agency agreements with wholesalers	Nov. 4	131	Weeco Products Co. - Chemway merger proposed	Sept. 9	86	Zep Manufacturing Corp. - acquires Ludwig Wilson Co.	Dec. 9	79
Secondary stock offering will whittle family's holdings	Aug. 12	22	Welsbach Corp. - French process for cross-linking polyolefins and carbon black	Nov. 25	27	Zinsser, William & Co., Inc. - aleuritic acid is available in commercial quantities	July 29	29
Semicarbazone tested for use as an antibiotic for control of comandra rust in lodgepole and ponderosa pines	Aug. 5	126	Western Filling - aerosol propellants line includes hydrocarbon blends	Dec. 9	71	Zolox Pharmacal Co. - proprietary drugs line acquired by Textron	Aug. 12	22
Uranium Reduction Co. - Freeport Sulphur Acquisition	Sept. 16-18, Dec. 16-17		Western Mineral Inc. - silica reduction mill near Wilford, Utah	Oct. 7	41			
Utex Exploration - Freeport Sulphur confirms purchase of uranium properties	Dec. 16	17	Western New York Nuclear Service Center - name of atomic industrial park project	Nov. 4	47			
Vactronic Lab Equipment Inc. - metering valve	Oct. 7	101	Western Organics, Inc. - Neville Chemical acquires controlling interest	July 8	22			
Valcor Engineering Corp. - liquid metals valve	Sept. 16	88	Westinghouse Air Brake Co. - Le Roi Div. - stacked compressor coolers	Oct. 14	33			
Vegetable Oil Products Co. - longshoremen battle chemical union in labor bustle	Nov. 4	70	Westinghouse Electric - antitrusters rap alloy makers	Sept. 16	88			
			Austin cell to be studied under Air Force contract	Dec. 16	22			
			Computer control development and marketing agreement with Remington Rand	Nov. 4	101			
			Desalting plant onstream at Point Loma,	Sept. 16	64			

70
92
40
99
66
61
17

8
3
8
3
3
6
6
1



